ORDER NO. ITD0509049AE

Service Manual

Wide Plasma Display

Simplified

TH-42PWD8WK / TH-42PWD8WS / TH-37PWD8WK / TH-37PWD8WS

GP8D Chassis

Please file and use this manual together with the service manual for Model No.TH-42PWD8BK, ORDER NO. ITD0506035CE.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1. Difference point

1.1. TH-42PWD8WK/WS

Ref. No.	Parts No.		Parts Name & Description	Remarks
	TH-42PWD8BK	TH-42PWD8WK/ WS		
1	EUR7636070R	EUR7636090R	REMOTE CONTROLER	
5	- - - - -	K2CK3DH00017	AC CORD	Obique flat blade
	- - - - -	K2CN3DH00006	AC CORD	Round pin
	- - - - -	K2CT3DH00018	AC CORD	Rectangular blade
8	TBXA46601	TBXA46602	POWER BUTTON	TH-42PWD8WS
9	TBXA46701	TBXA46702	5KEY BUTTON	TH-42PWD8WS
14	TKPA95001	TKPA95002	REMOTE SENSOR PANEL	TH-42PWD8WS
21	TPC0E61101	TPCA95901A	CARTON BOX-BOTTOM	
20	TPC0E63901	TPCB34184	CARTON BOX-TOP	TH-42PWD8WK
	- - - - -	TPCB34185	CARTON BOX-TOP	TH-42PWD8WS
23	TPD0E0099	TPDA0943	CUSHION-TOP	
24	TPD0E0100	TPDA1105	CUSHION-BOTTOM	
28	TPD0E9008	TPDF0596	TOP PAD	
29	TPDF1197	TPDF0737	ACCESSORIES BOX	
31	TPE0E4010	TPEH170	PROTECT COVER	
34	TQB0E0218	TQBC2019	INSTRUCTION BOOK (ENG)	
	- - - - -	TQBC2020	INSTRUCTION BOOK (RUS)	
	- - - - -	TQBC2021	INSTRUCTION BOOK (UKR)	
	- - - - -	TQBC2022	INSTRUCTION BOOK (ARA)	
36	TTUA1232	TTUA1196	REAR COVER	TH-42PWD8WK
	- - - - -	TTUA1197	REAR COVER	TH-42PWD8WS
37	TXFKE010YNS	TXFKE010YPS	ESCUTCHEON_ASS'Y	TH-42PWD8WS
	XZBT6530	XZBT6506	POLY BAG	

1.2. TH-37PWD8WK/WS

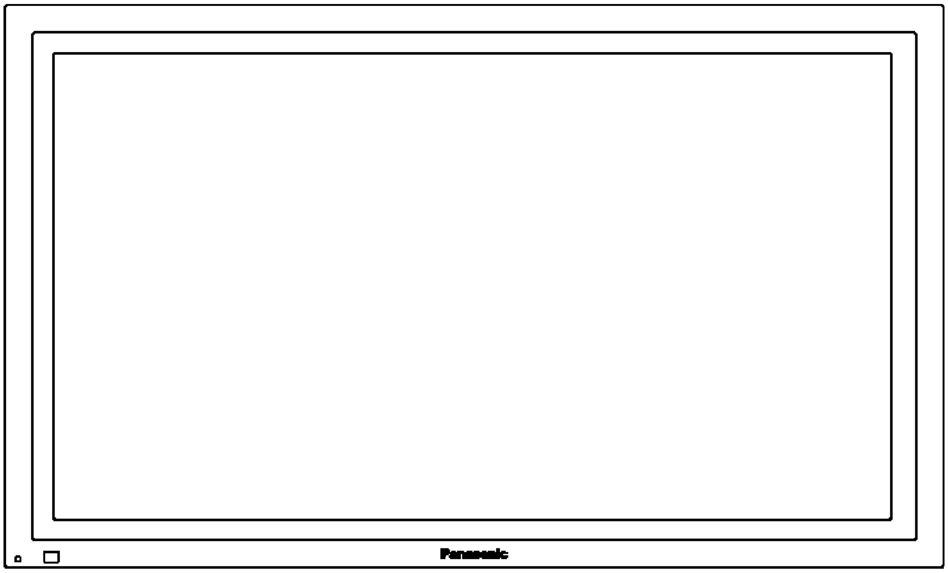
Ref. No.	Parts No.		Parts Name & Description	Remarks
	TH-37PWD8BK	TH-37PWD8WK/ WS		
1	EUR7636070R	EUR7636090R	REMOTE CONTROLER	
5	- - - - -	K2CK3DH00017	AC CORD	Obique flat blade
	- - - - -	K2CN3DH00006	AC CORD	Round pin
	- - - - -	K2CT3DH00018	AC CORD	Rectangular blade
8	TBXA46601	TBXA46602	POWER BUTTON	TH-37PWD8WS
9	TBXA46701	TBXA46702	5KEY BUTTON	TH-37PWD8WS
14	TKPA95001	TKPA95002	REMOTE SENSOR PANEL	TH-37PWD8WS
21	TPC0E60901	TPCB14101	CARTON BOX-BOTTOM	
20	TPC0E63801	TPCB14065	CARTON BOX-TOP	TH-37PWD8WK
	- - - - -	TPCB14066	CARTON BOX-TOP	TH-37PWD8WS
23	TPD0E0099	TPDA0943	CUSHION-TOP	
24	TPD0E0100	TPDA1105	CUSHION-BOTTOM	
28	TPD0E9007	TPDF0745	TOP PAD	
29	TPDF1197	TPDF0737	ACCESSORIES BOX	
31	TPE0E4010	TPEH007-3	PROTECT COVER	
34	TQB0E0218	TQBC2019	INSTRUCTION BOOK (ENG)	
	- - - - -	TQBC2020	INSTRUCTION BOOK (RUS)	
	- - - - -	TQBC2021	INSTRUCTION BOOK (UKR)	
	- - - - -	TQBC2022	INSTRUCTION BOOK (ARA)	
36	TTUA1236	TTUA1206	REAR COVER	TH-37PWD8WK
	- - - - -	TTUA1207	REAR COVER	TH-37PWD8WS
37	TXFKE010YLS	TXFKE010YMS	ESCUTCHEON_ASS'Y	TH-37PWD8WS
	XZBT6530	XZBT6506	POLY BAG	

ORDER NO. ITD0506035CE
D10 Canada: B07

Service Manual

Progressive Wide Plasma Display

TH-37PWD8BK
TH-37PWD8BS
TH-37PWD8EK
TH-37PWD8ES
TH-37PWD8GK
TH-37PWD8GS
TH-37PWD8UK
TH-42PWD8BK
TH-42PWD8BS
TH-42PWD8EK
TH-42PWD8ES
TH-42PWD8GK
TH-42PWD8GS
TH-42PWD8UK
GP8D Chassis



SPECIFICATIONS

Specifications

Power Source (UK, GK/S)	120 V AC, 50/60 Hz (GK/GS/UK)	
Power Source (EK/S, BK/S)	220-240 V AC, 50/60 Hz (EK/ES/BK/BS)	
Power Consumption (UK, GK/S)		
Maximum	225 W (37PWD8GK/GS/UK)	275 W (42PWD8GK/GS/UK)
Stand-by condition	Save OFF 1.0 W, Save ON 0.7 W (GK/GS /UK)	
Power off condition	0.05 W (GK/GS/UK)	
Power Consumption (EK/S, BK/S)		
Normal use	215 W (37PWD8EK/ES/BK/BS)	240 W (42PWD8EK/ES/BK/BS)
Stand-by condition	Save off 1.2 W, Save on 0.9 W (EK/ES/BK/BS)	
Power off condition	0.1 W (EK/ES/BK/BS)	
Plasma Display panel	Drive method: AC type 37-inch 16:9 aspect ratio (37 inch)	Drive method: AC type 42-inch 16:9 aspect ratio (42 inch)
Contrast Ratio	4000:1	
Screen size	32” 13/64 (818 mm) (W) × 18” 9/64 (461 mm) (H) × 36” 31/32 (939 mm) (diagonal (37 inch) 36” 7/32 (920 mm) (W) × 20” 25/64 (518 mm) (H) × 41” 37/64 (1,056 mm) (diagonal) (42 inch)	
(No. of pixels)	408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]	

Operating condition		
Temperatuer	**32 °F - 104 °F (0 °C - 40 °C)**	
Humidity	**20 % - 80 %**	
Applicable signals		
Color System	**NTSC, PAL, PAL60, SECAM, Modified NTSC**	
Scanning format	**525 (480) / 60i•60p, 625 (575) / 50i•50p, 750 (720) / 60p•50p, 1125 (1080) / 60i•5** **•24p•25p•30p•24sF .... SMPTE274M, 1250 (1080) / 50i**	
PC signals	**VGA display**	
	VGA	
	SVGA, XGA, SXGA, UXGA ..... (compressed)	
	Horizontal scanning frequency 15 - 110 kHz	
	Vertical scanning frequency 48 - 120 Hz	
Connection terminals		
AV (EK/S, BK, S, UK)	**VIDEO IN / OUT (BNC)**	**1.0 Vp-p (75-ohm or high impedance)**
	S VIDEO IN (MINI DIN 4PIN)	**Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)**
	AUDIO IN (RCA PIN JACK ×2)	**0.5 Vrms (high impedance)**
COMPONENT / RGB (UK)	**Y / G (BNC)**	**1.0 Vp-p / composite (75-ohm)**
		0.7 Vp-p / non-composite (75-ohm)
	P_B / B (BNC), P_R / R (BNC)	**0.7 Vp-p (75-ohm)**
	AUDIO IN (RCA PIN JACK × 2)	**0.5 Vrms (high impedance)**
PC (GK/GS/UK)	**(HIGH-DENSITY D-SUB 15PIN)**	**R, G, B / 0.7 Vp-p (75-ohm)**
	Component	
	Y:	**1.0 Vp-p (75-ohm : include sync)**
	P_B / C_B:	**±0.7 Vp-p (75-ohm)**
	P_R / C_R:	**±0.7 Vp-p (75-ohm)**
		HD, VD / 1.0 - 5.0 Vp-p (high impedanc
	AUDIO IN (M3 JACK)	**0.5 Vrms (high impedance)**
PC (EK/ES/BK/BS)	**(HIGH-DENSITY D-SUB 15PIN)**	**R, G, B / 0.7 Vp-p (75-ohm)**
		HD, VD / 1.0 - 5.0 Vp-p (high impedanc
	AUDIO IN (M3 JACK)	**0.5 Vrms (high impedance)**
SERIAL	**EXTERNAL CONTROL TERMINAL (D-SUB 9PIN)**	**RS-232C COMPATIBLE**
SPEAKERS (6 Ω)	**16 W [8 W + 8 W] (10 % THD)**	
Accessories Supplied		
Remote Control Transmitter	**EUR7636070R**	
Batteries	**2 × AA Size**	
Fixing bands	**(TMME203 or TMME187) × 2**	

Dimensions (W × H × D)	**36.2” (920 mm) × 21.7” (550 mm) × 3.5” (89 mm) (exclusive of protruding portion) (37 inch)**	**40.2” (1,020 mm) × 24” (610 mm) × 3.5 (89 mm) (exclusive of protruding portion) (42 inch)**
Mass (Weight) (UK)		
main unit only	**approx. 55.1 lbs (37PWD8UK)**	**approx. 65.0 lbs (42PWD8UK)**
with speakers	**approx. 63.9 lbs (37PWD8UK)**	**approx. 73.9 lbs (42PWD8UK)**
Mass (Weight) (GK/GS)		
main unit only	**approx. 54.0 lbs (37PWD8GK/GS)**	**approx. 63.9 lbs (42PWD8GK/GS)**
with speakers	**approx. 62.8 lbs (37PWD8GK/GS)**	**approx. 72.8 lbs (42PWD8GK/GS)**
Mass (Weight) (EK/S, BK/S)		
main unit only	**approx. 25.0 kg net (37PWD8EK/ES/BK/BS)**	**approx. 29.5 kg net (42PWD8EK/ES/B BS)**
with speakers	**approx. 29.0 kg (37PWD8EK/ES/BK/BS)**	**approx. 33.5 kg (42PWD8EK/ES/BK/B**

Notes:

- **Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.**
- **This equipment complies with the EMC standards listed below. EN55022, EN55024, EN61000-3-2, EN61000-3-3.**

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1. Applicable signals

VIDEO input

	Signal name	Horizontal frequency(kHz)	Vertical frequency(Hz)
1	NTSC	15.73	59.94
2	PAL	15.63	50.00
3	PAL60	15.73	59.94
4	SECAM	15.63	50.00
5	Modified NTSC	15.73	59.94

Applicable input signals for Component/D-sub (Component)/RGB/D-sub (RGB) (✻ Mark)

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	COMPONENT/D-sub (Component)	RGB/D-sub (RGB)
1	525 (480) / 60i	15.73	59.94	✻	✻
2	525 (480) / 60p	31.47	59.94	✻	✻1
3	625 (575) / 50i	15.63	50.00	✻	✻
4	625 (575) / 50p	31.25	50.00	✻	✻
5	750 (720) / 60p	45.00	60.00	✻	✻
6	750 (720) / 50p	37.50	50.00	✻	✻
7	1,125 (1,080) / 60i	33.75	60.00	✻	✻
8	1,125 (1,080) / 50i	28.13	50.00	✻	✻
9	1,125 (1,080) / 24p	27.00	47.92	✻	✻
10	1,125 (1,080) / 24sF	33.75	30.00	✻	✻
11	1,125 (1,080) / 25p	28.13	25.00	✻	✻
12	1,125 (1,080) / 30p	27.00	24.00	✻	✻
13	1,250 (1,080) / 50i	31.25	50.00	✻	✻
14	640 × 400 @70 Hz	31.46	70.07		✻
15	640 × 480 @60 Hz	31.47	59.94		✻2
16	640 × 480 @72 Hz	37.86	72.81		✻
17	640 × 480 @75 Hz	37.50	75.00		✻
18	640 × 480 @85 Hz	43.27	85.01		✻
19	852 × 480 @60 Hz	31.47	59.94		✻2
20	800 × 600 @56 Hz	35.16	56.25		✻
21	800 × 600 @60 Hz	37.88	60.32		✻
22	800 × 600 @72 Hz	48.08	72.19		✻
23	800 × 600 @75 Hz	46.88	75.00		✻
24	800 × 600 @85 Hz	53.67	85.06		✻
25	1,024 × 768 @60 Hz	48.36	60.00		✻
26	1,024 × 768 @70 Hz	56.48	70.07		✻
27	1,024 × 768 @75 Hz	60.02	75.03		✻
28	1,024 × 768 @85 Hz	68.68	85.00		✻
29	1,152 × 864 @75 Hz	67.50	75.00		✻
30	1,280 × 960 @60 Hz	60.00	60.00		✻
31	1,280 × 960 @85 Hz	85.94	85.00		✻
32	1,280 × 1,024 @60 Hz	63.98	60.02		✻
33	1,280 × 1,024 @75 Hz	79.98	75.03		✻
34	1,280 × 1,024 @85 Hz	91.15	85.02		✻
35	1,600 × 1,200 @60 Hz	75.00	60.00		✻
36	1,600 × 1,200 @65 Hz	81.25	65.00		✻
37	1,066 × 600 @60 Hz	37.88	60.32		✻
38	1,366 × 768 @60 Hz	48.36	60.00		✻
39	Macintosh13" (640 × 480)	35.00	66.67		✻
40	Macintosh16" (832 × 624)	49.72	74.54		✻
41	Macintosh21" (1,152 × 870)	68.68	75.06		✻

✻1: When selected the RGB format and 525p signal input to the D–sub terminal, it is recognized as VGA 60Hz signal.

✻2: When inputted VGA 60Hz format signal from the other than D-sub terminal, it is recognized as 525p signal.

Note: Signals without above specification may not be displayed properly.

2. Safety Precautions

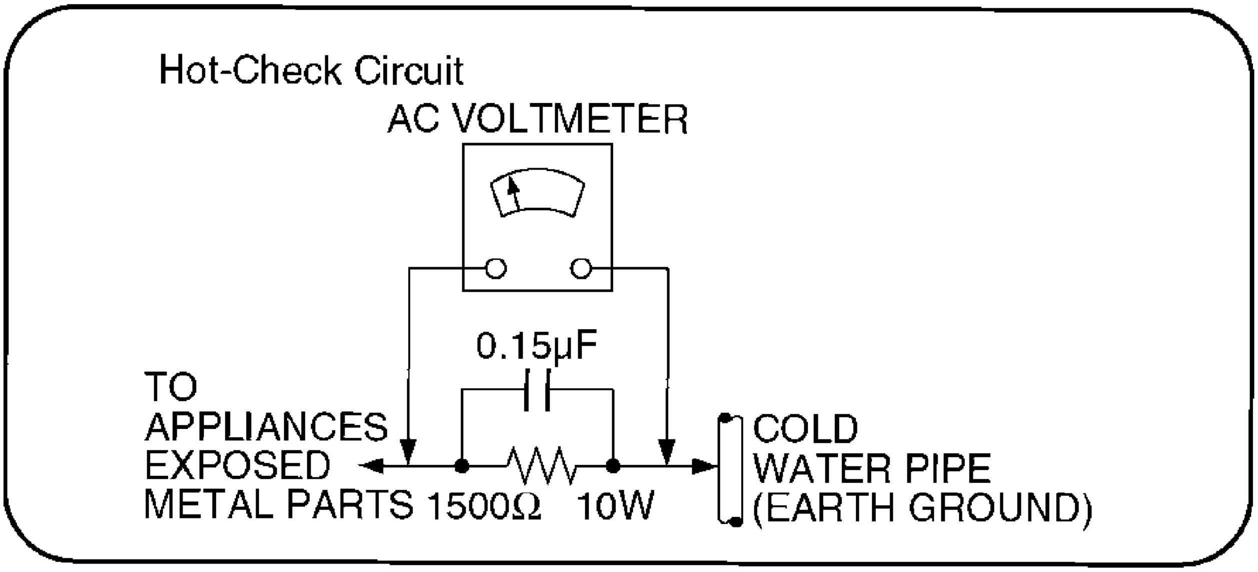
2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M Ω and 5.2M Ω .
   When the exposed metal does not have a return path to the chassis, the reading must be ∞.

Figure 1


Hot-Check Circuit
AC VOLTMETER
0.15μF
TO APPLIANCES EXPOSED METAL PARTS
1500Ω 10W
COLD WATER PIPE (EARTH GROUND)

2.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

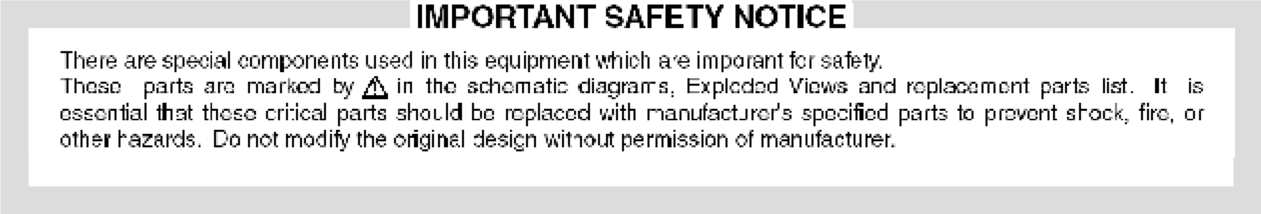
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).



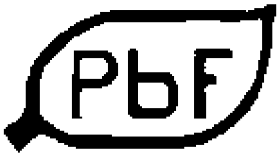
IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.
This model uses Pb Free solder in it’s manufacture due to environmental conservation issues. For service and repair work, we’d suggest the use of Pb free solder as well, although Pb solder may be used.

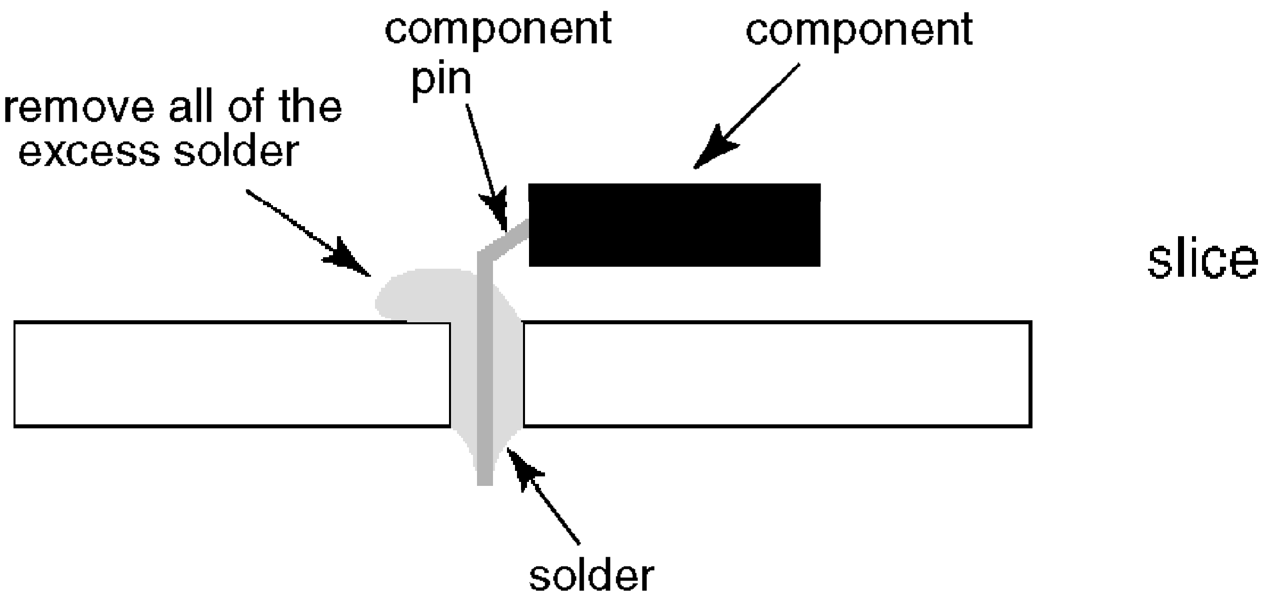
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol



stamped on the back of PCB.

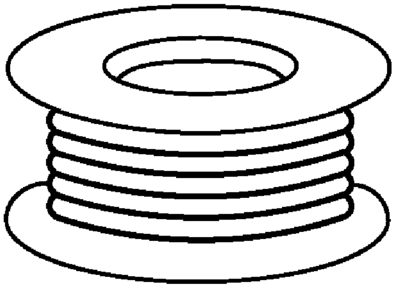
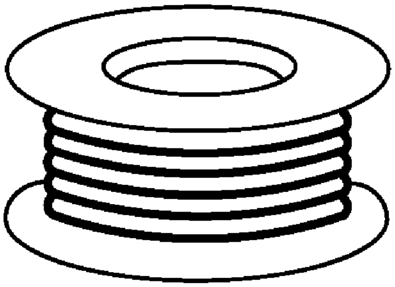
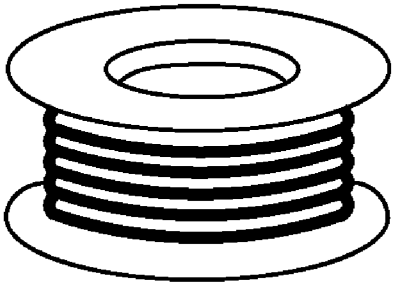
Caution

- **Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).**
- **Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C). If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.**
- **After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)**



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5. PCB Structure sheet of GP8D chassis

Board Name	Function	Remarks
D	Digital Signal Processor	1
J	Slot Interface (Audio/Video/ Sync input Switch), SYNC processor, Audio processor, Speaker out amplifier, DC-DC converter	1
SS	Sustain Out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Lower Right)	
C2	Data Drive (Lower Left)	
H3	Speaker terminal	
S1	Power switch	
V1	LED (Stand-by/Power on) & Remote receiver	1
V2	Key switch	1
P	Line filter, Power supply	1
HX	PC_type_Input terminal	
HB	BNC Composite/S Video	2
HA	BNC Component Video	3

Remarks

1. Recommend PCB's for initial service for GP8D chassis.

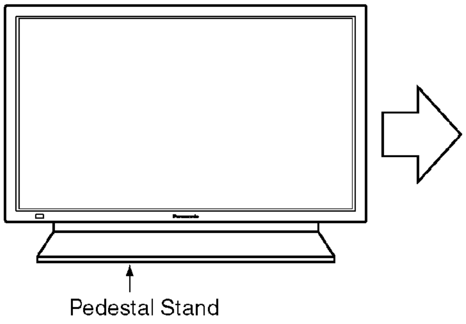
2. For TH-37/42PWD8UK/BK/BS/EK/ES

3. For TH-37/42PWD8UK

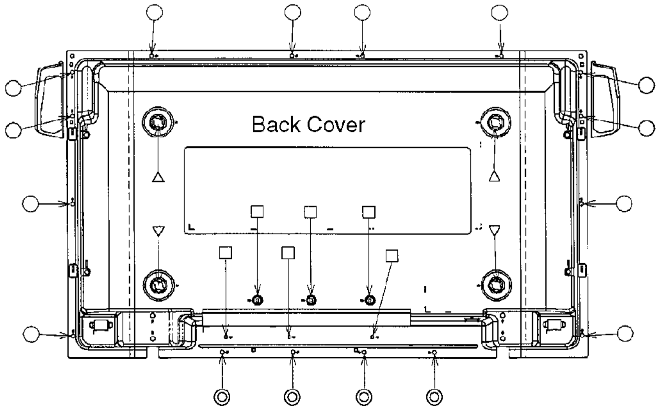
6. Service Hint

[How to set the plasma unit for servicing]

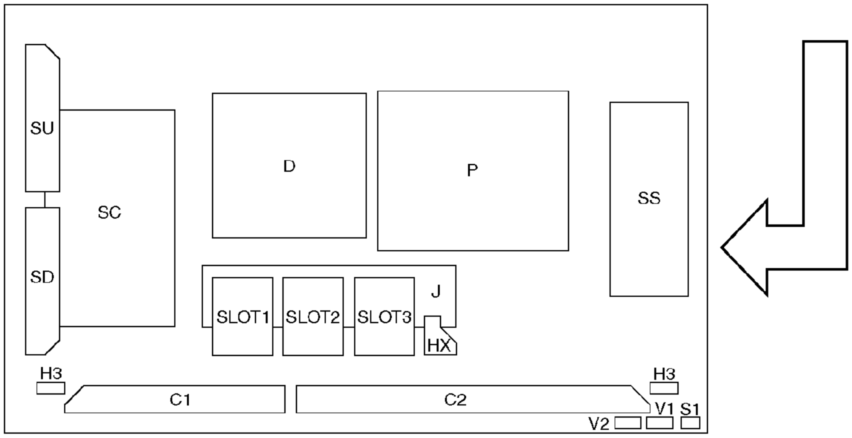
Place the plasma unit on the pedestal stand.
(Optional Accessory)


Pedestal Stand

Remove the Back Cover



Unscrew: 4 screws (△) XYN8+F20FJK
6 screws (□) THEL0239
12 screws (○) THEL0439
4 screws (◎) XYC4+FJ35FJK


SU
SC
SD
D
P
SS
J
SLOT1
SLOT2
SLOT3
HX
H3
H3
C1
C2
V1
S1
V2

P.C. Boards Location

37inch

	SLOT1	SLOT2
37PWD8UK	HB	HA
37PWD8BK/BS/EK/ES	HB	-
37PWD8GK/GS	-	-

42inch

	SLOT1	SLOT2	SLOT3
42PWD8UK	-	HB	HA
42PWD8BK/BS/EK/ES	HB	-	-
42PWD8GK/GS	-	-	-

Note:

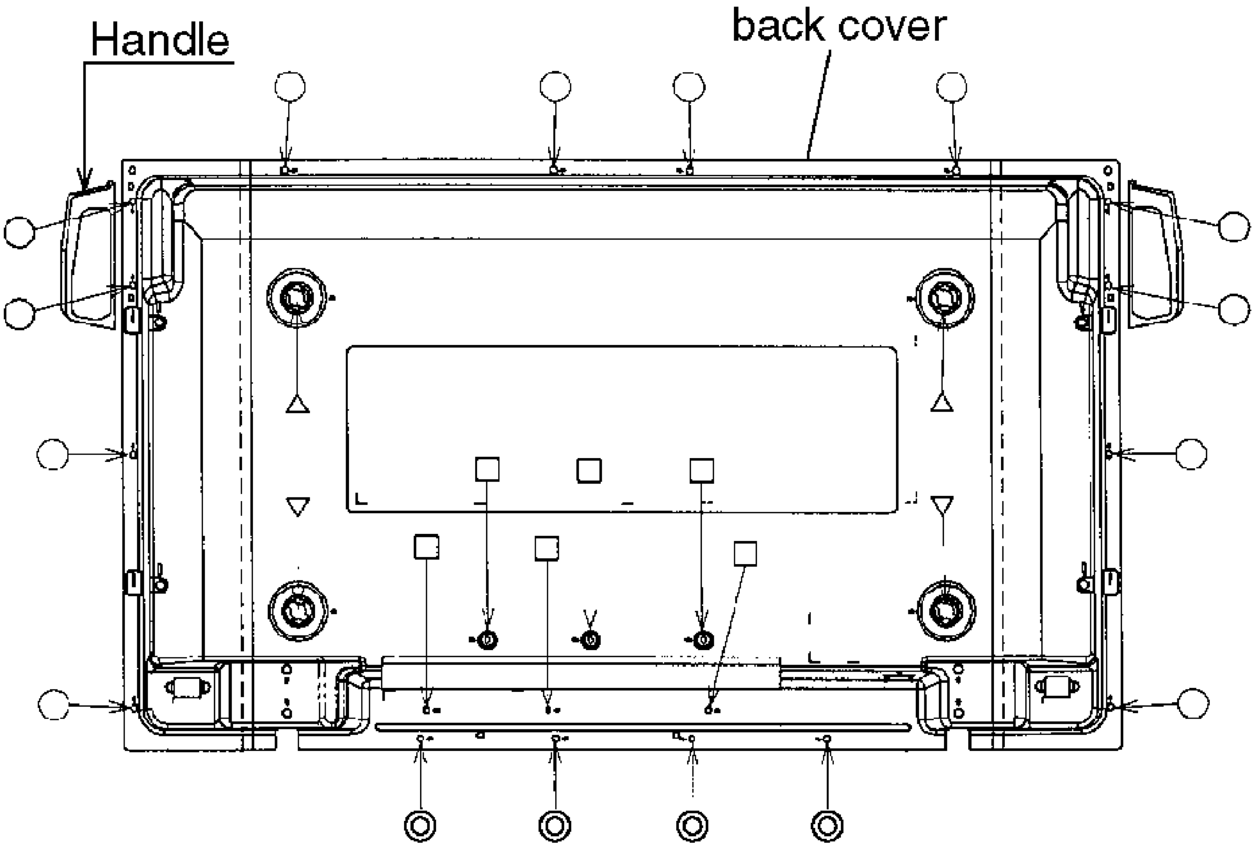
- **Extension cable kit for Slot Board is supplied as service fixtures and tools. (Part No. TZSC0704)**
- **J13 Slot is not equiped for 37” model.**

7. P.C.Board and Plasma panel replacement

Prior to the replacement of Plasma panel, place the unit on the pedestal stand and remove the front frame.

7.1. Removal of the back cover

1. Unscrew the screws (×12 ○, ×6 □, ×4 △, ×4 ◎) and remove the back cover.



7.2. Removal of the Slot block

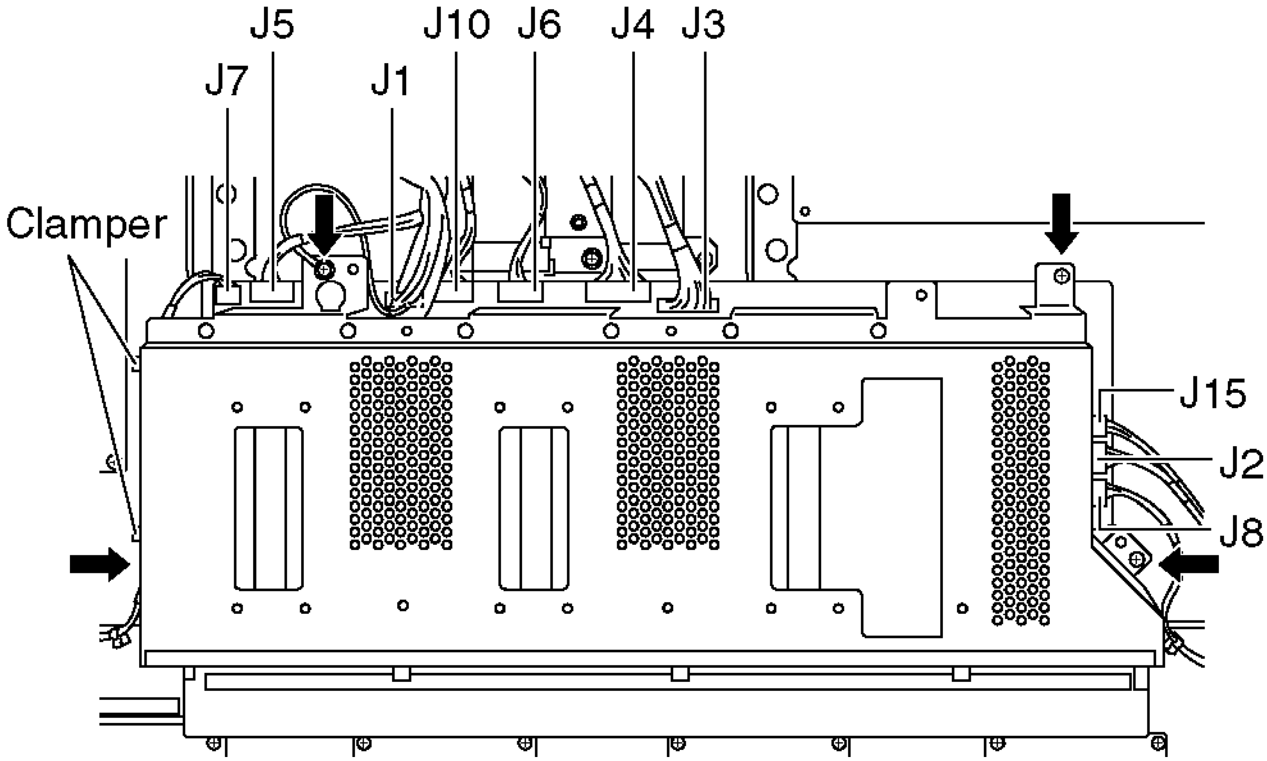
Caution:

To remove P.C.B., wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Remove the couplers (J1, J2, J3, J4, J5, J6, J7, J8, J10, J15).

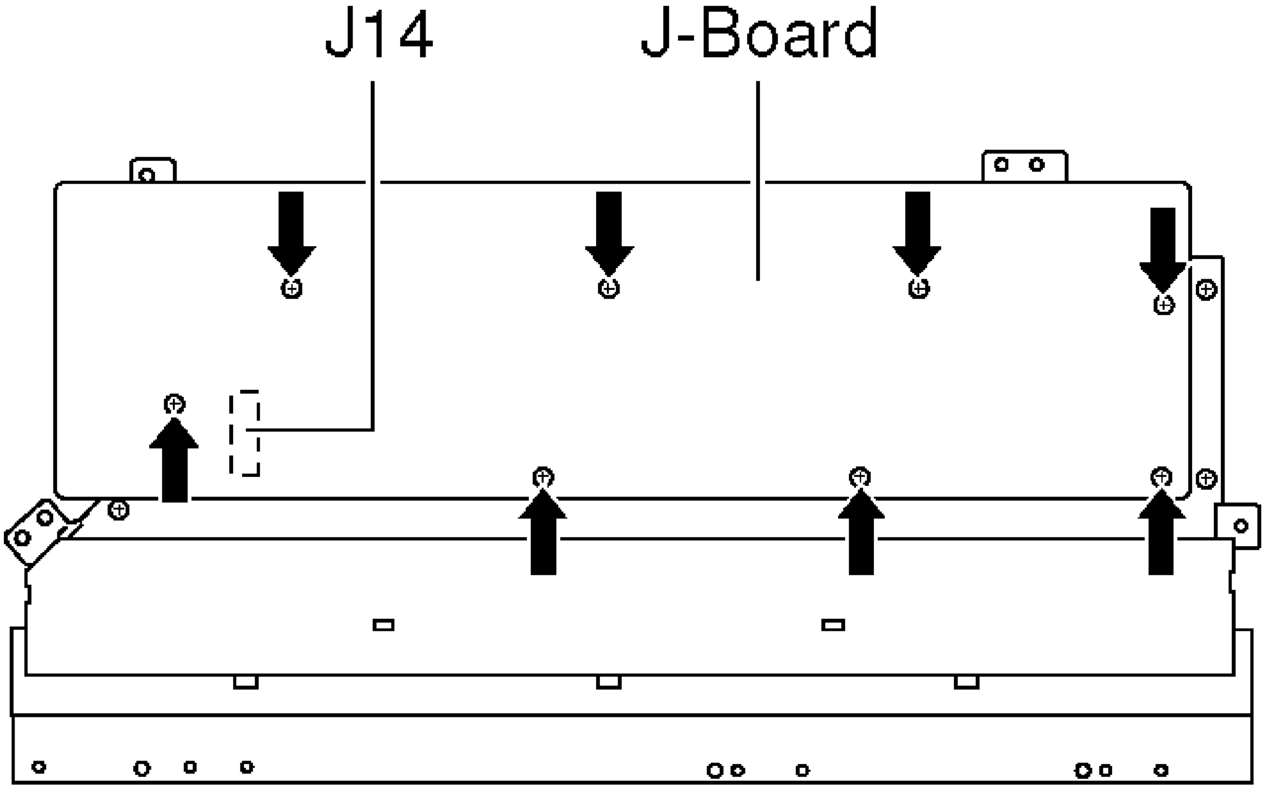
2. Release the cable from the clampers at left side of the slot block.

3. Unscrew the screws (×4➡) and remove the slot block.


J5
J10
J6
J4
J3
J7
J1
Clamper
J15
J2
J8

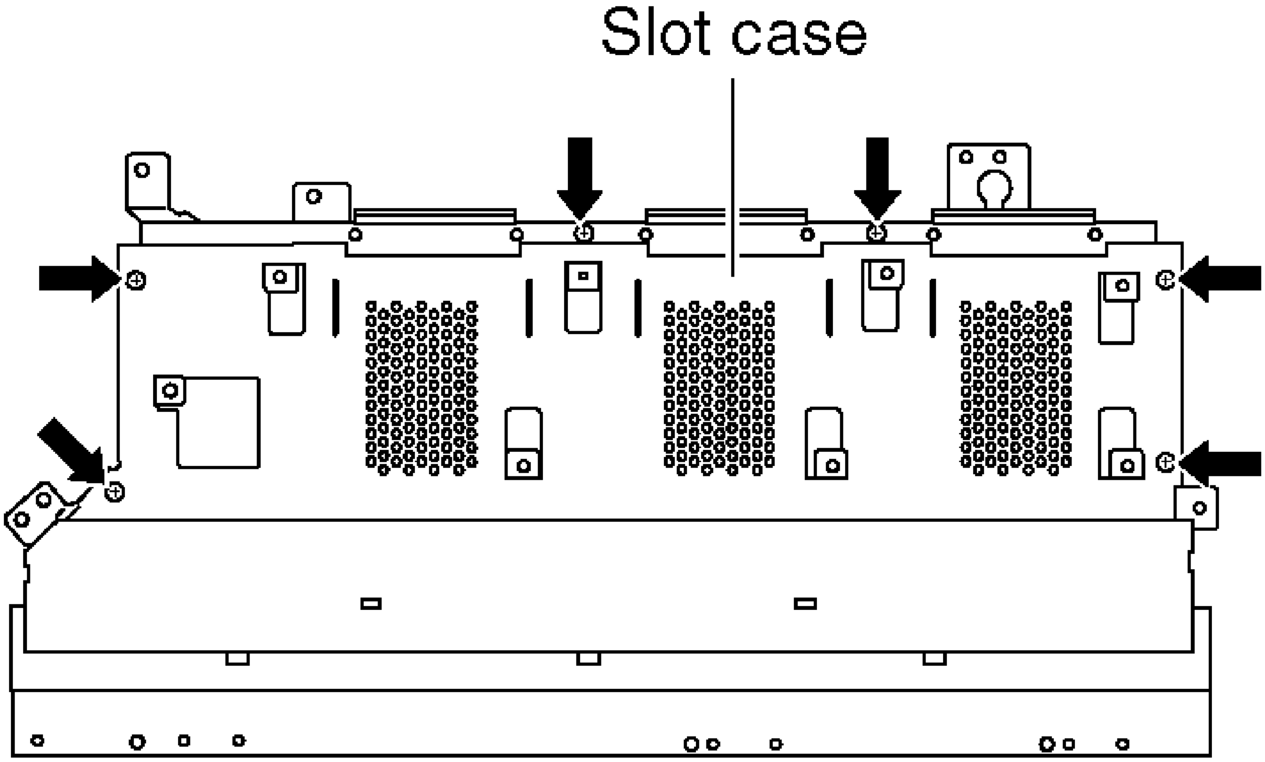
7.3. Removal of the J-Board

1. **Unscrew the screws (×8➡), release J14 from the HX-Board and remove the J-Board.**

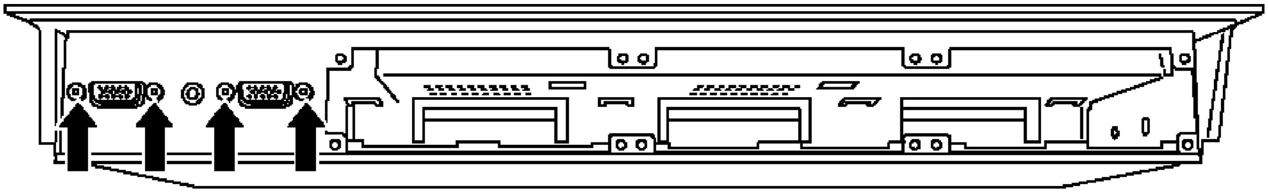


7.4. Removal of the HX-Board

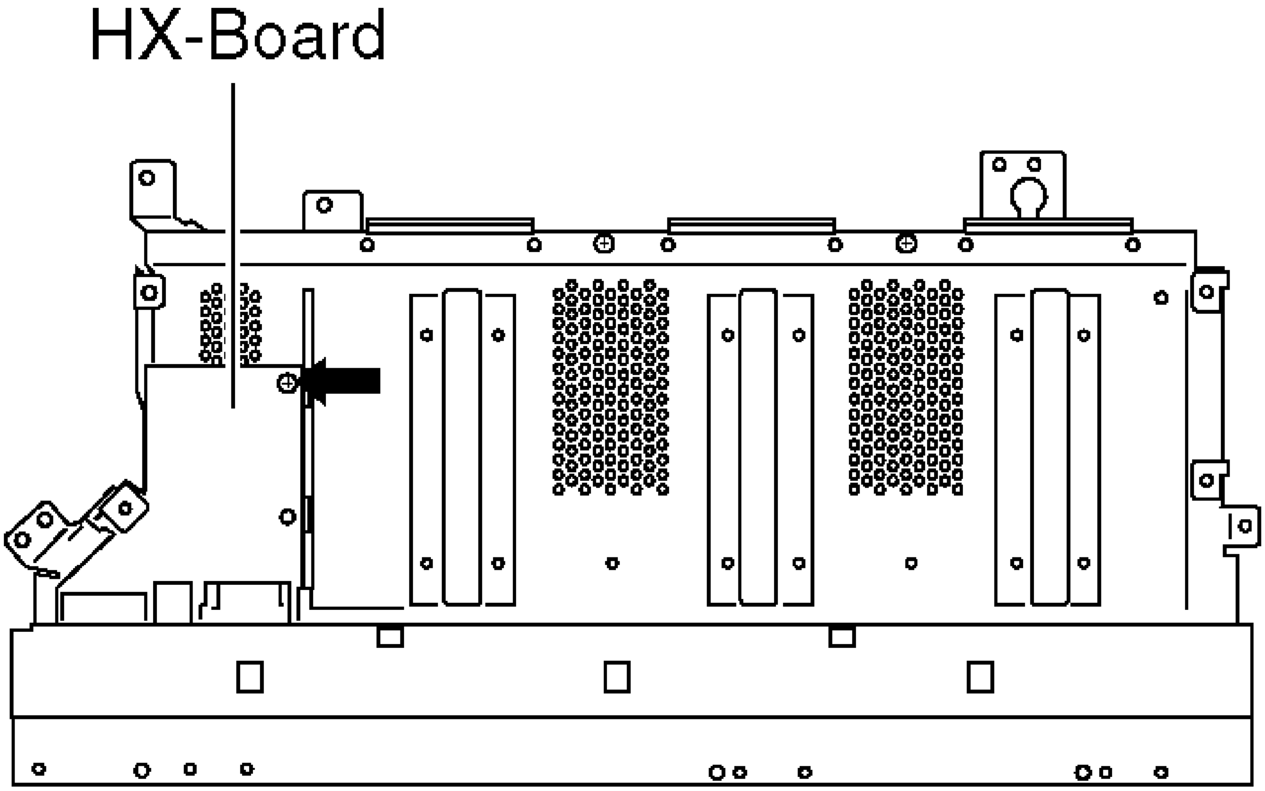
1. Unscrew the screws (×6➡) and remove the slot case.



2. Unscrew the screws (×4➡).



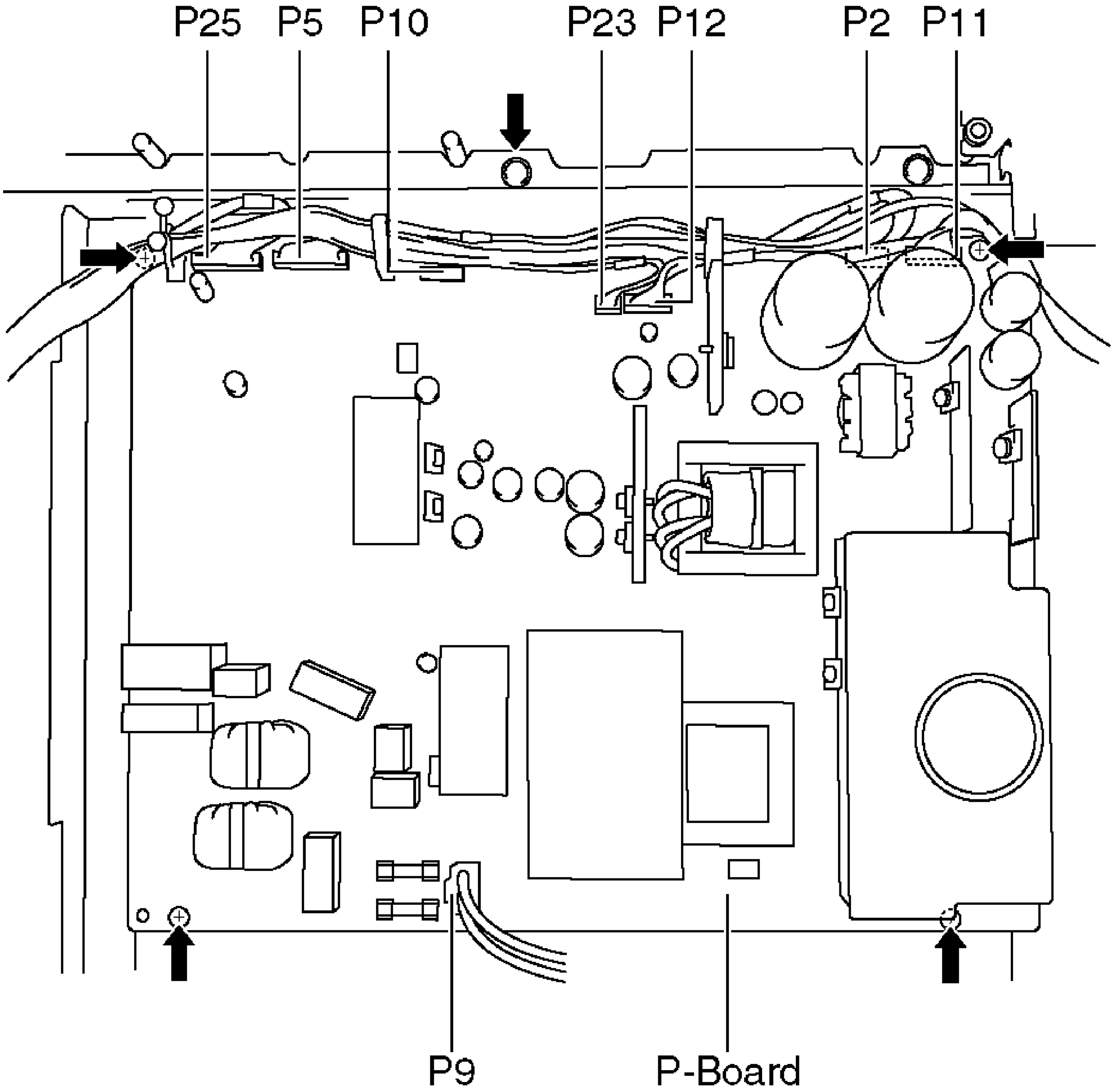
3. Unscrew the screws (×1➡) and remove the HX-Board.



7.5. Removal of the P-Board

1. Remove the couplers (P2, P5, P7, P9, P10, P11, P12, P23 and P25).

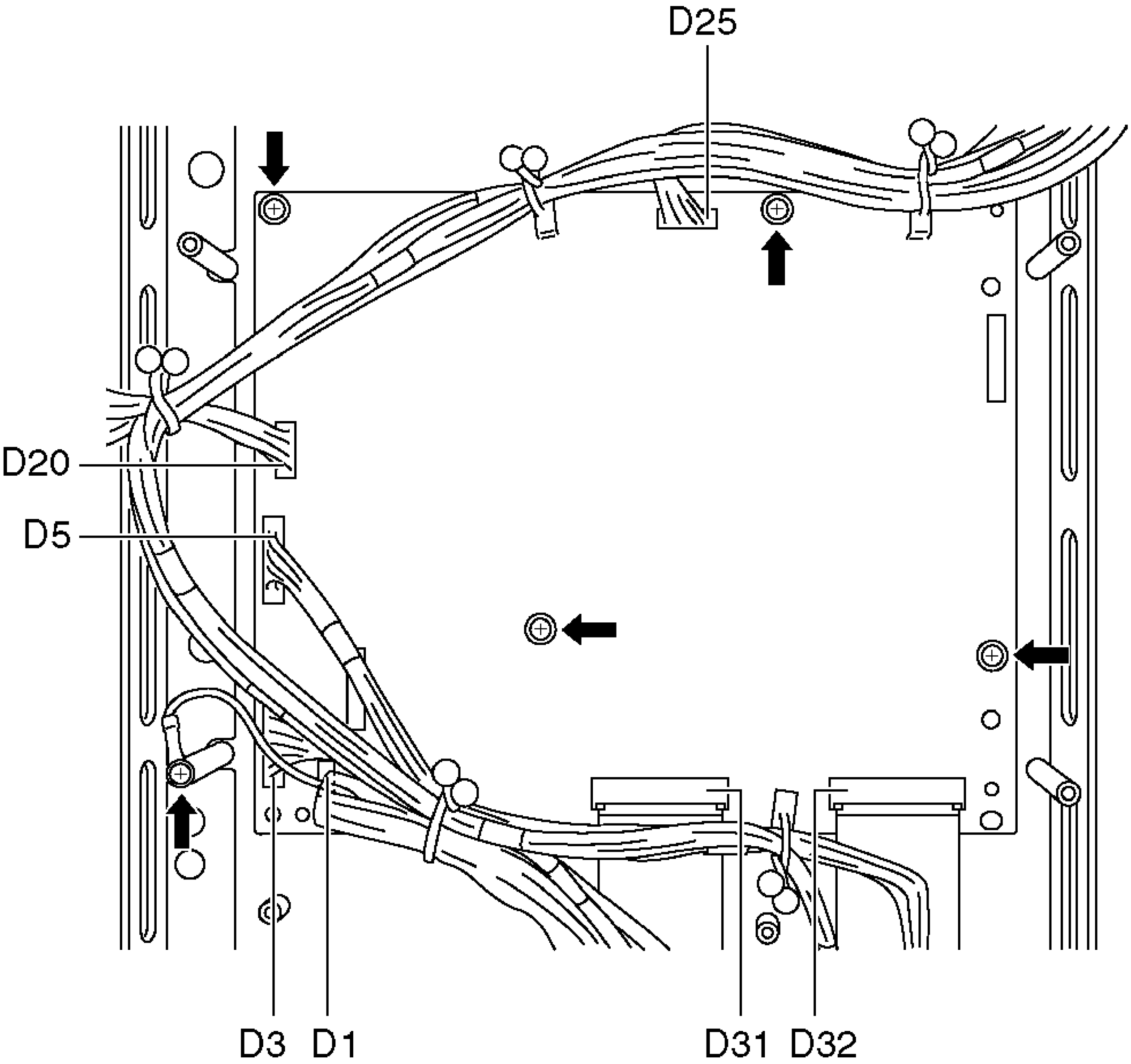
2. Unscrew the screws (×5➡) and remove the P-Board.


P25
P5
P10
P23
P12
P2
P11
P9
P-Board

7.6. Removal of the D-Board

1. Disconnect the couplers (D1, D3, D5, D20, D25) and the flexible cables (D31, D32).

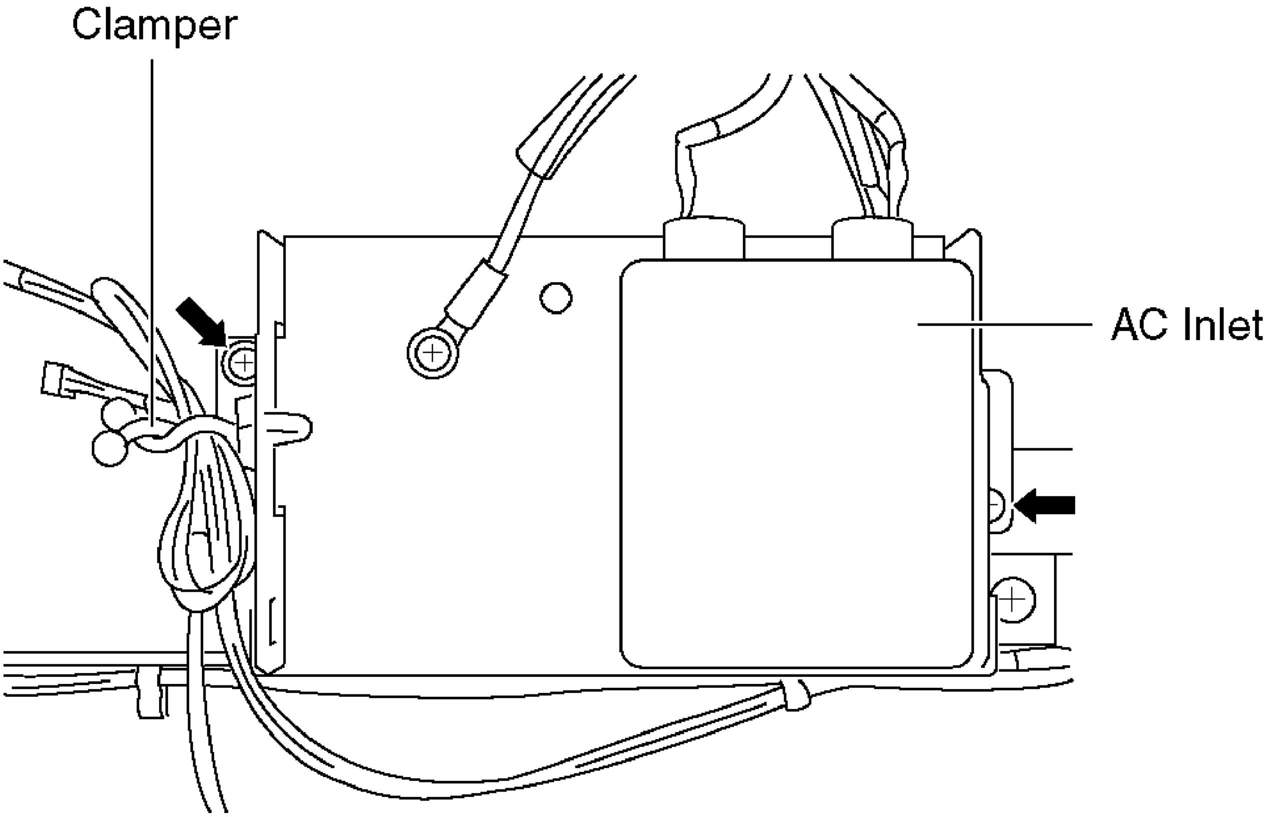
2. Unscrew the screws (×5➡) and remove the D-Board.


D25
D20
D5
D3
D1
D31
D32

7.7. Removal of the AC-Inlet

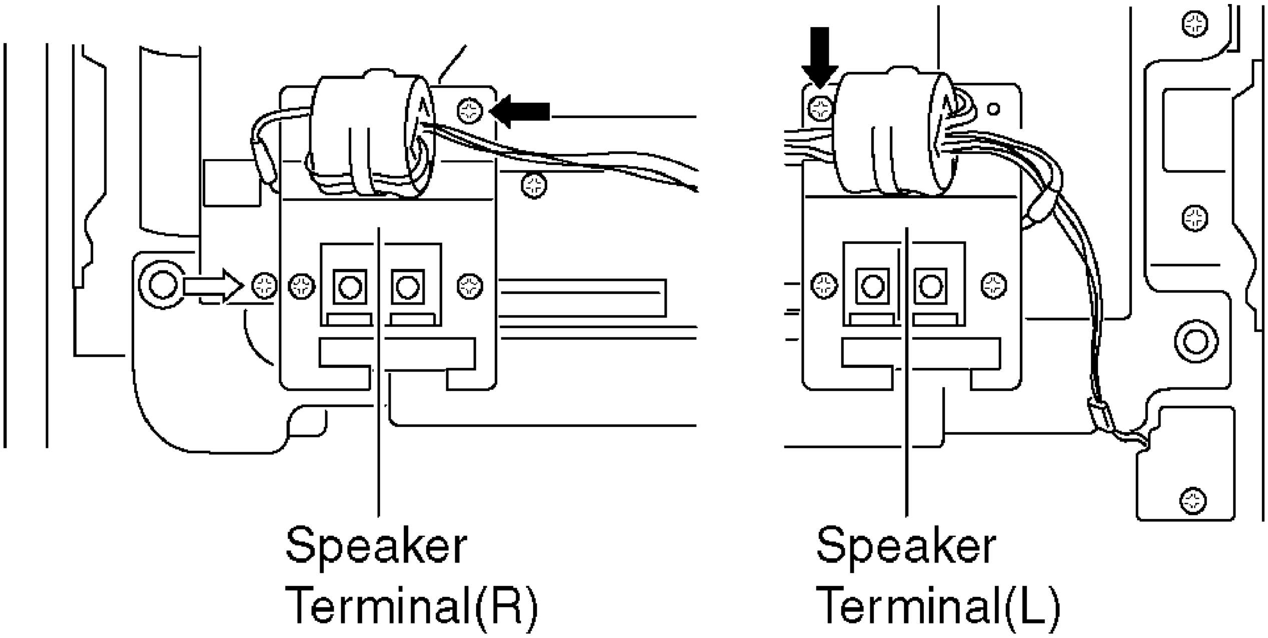
1. Remove the coupler (P9) on the P-Board and release the cables from the clamper.

2. Unscrew the screws (×2➡) and remove the AC inlet.


Clamper
AC Inlet

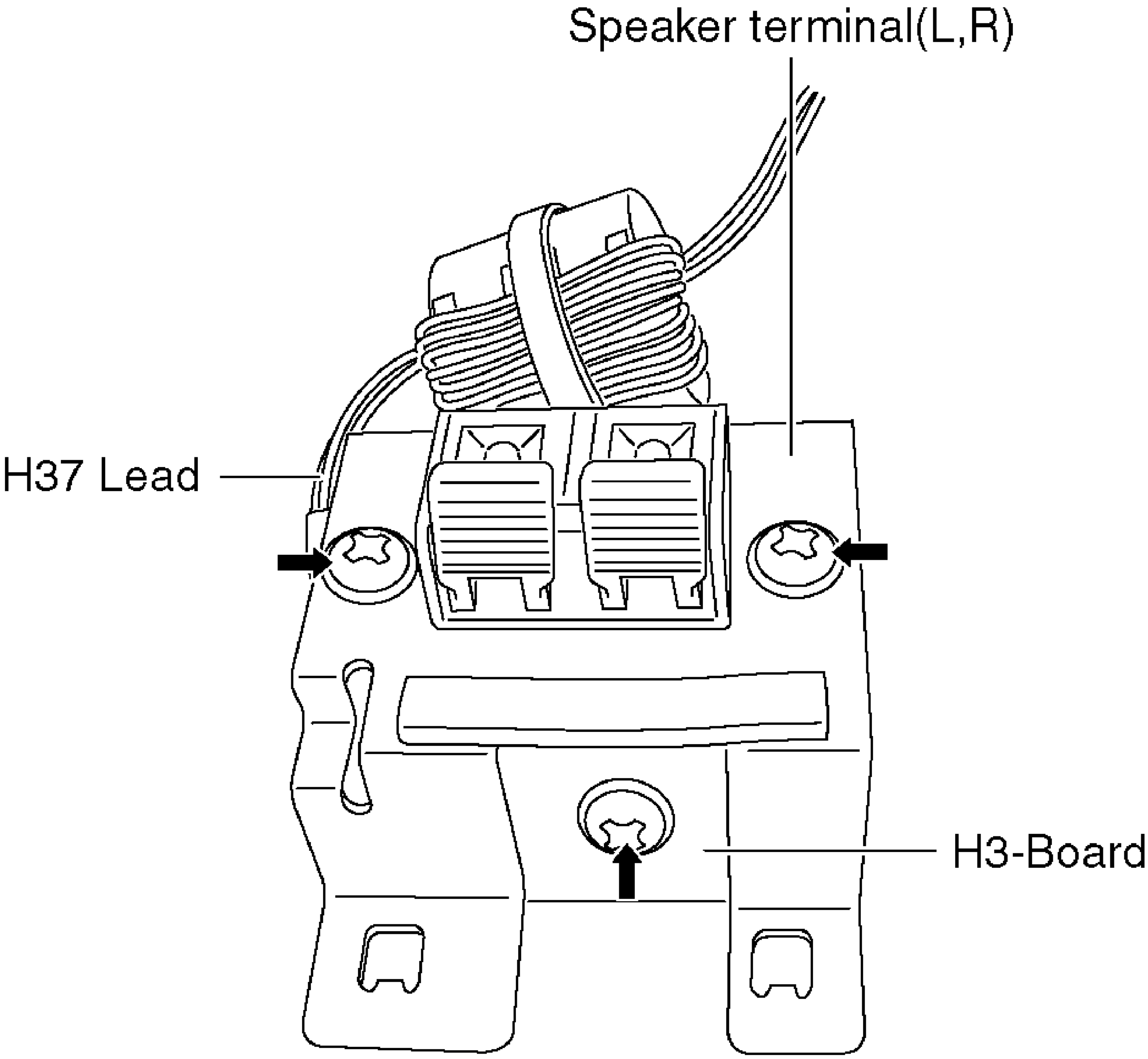
7.8. Removal of the H3-Board

1. **Unscrew the screws (×2➡), and remove the H3-Board with the Bracket (right & left).**


Speaker Terminal(R)
Speaker Terminal(L)

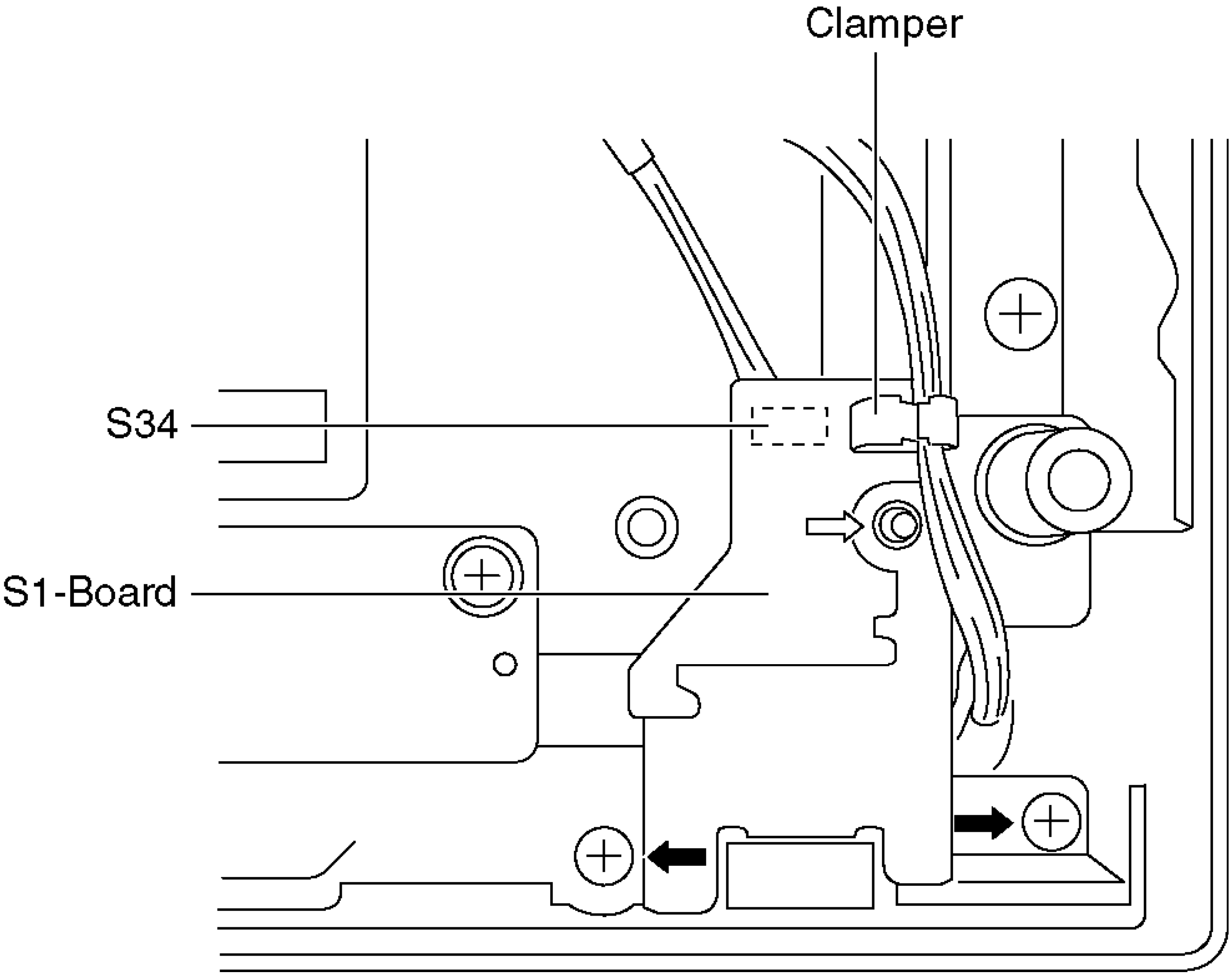
2. Remove the couplers (H37).

3. Unscrew the screws (×6➡), and remove the H3-Board (right & left).


Speaker terminal(L,R)
H37 Lead
H3-Board

7.9. Removal of the S1-Board

1. **Release the cable from the clamper.**
2. **Unscrew the screws (×2➡) and remove the S1-Board with the bracket.**
3. **Remove a coupler (S34), unscrew a screw (×1⇨) and remove the S1-Board.**

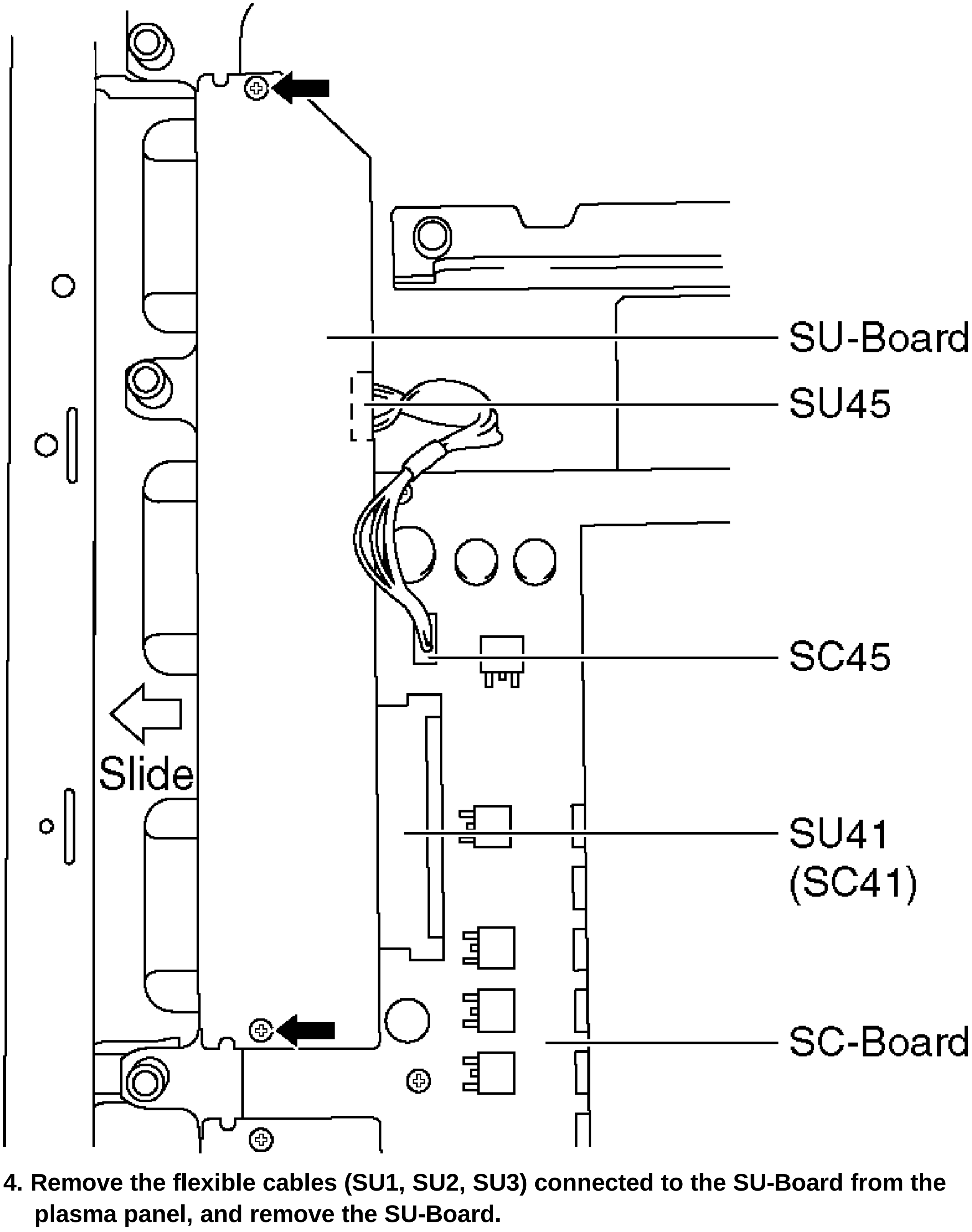

Clamper
S34
S1-Board

7.10. Removal of the SU-Board

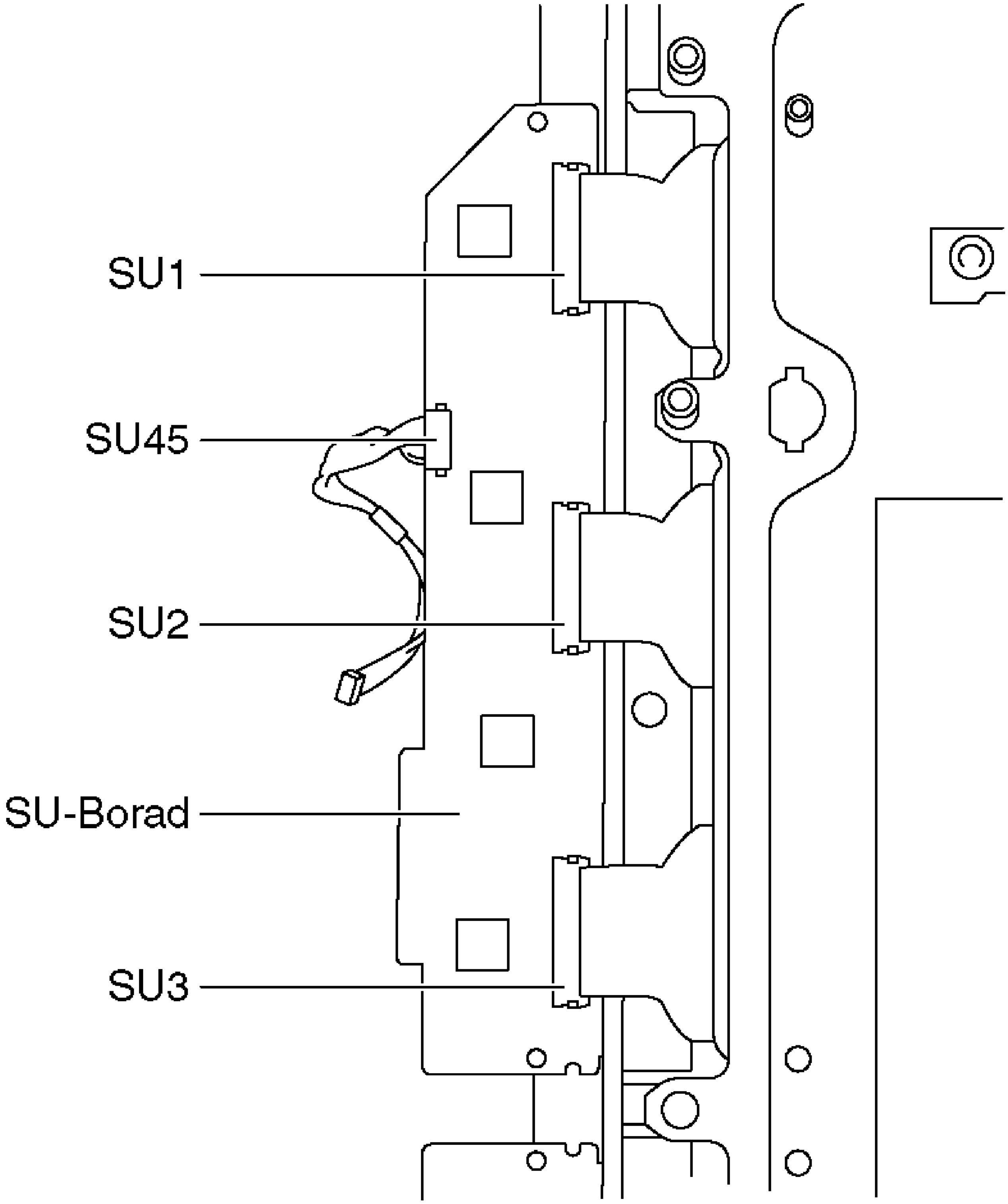
1. Unscrew the screws (×2➡).

2. Slide the SU-Board to the left and disconnect from the couplers (SC41) on the SC-Board.

3. Remove the coupler (SU45).

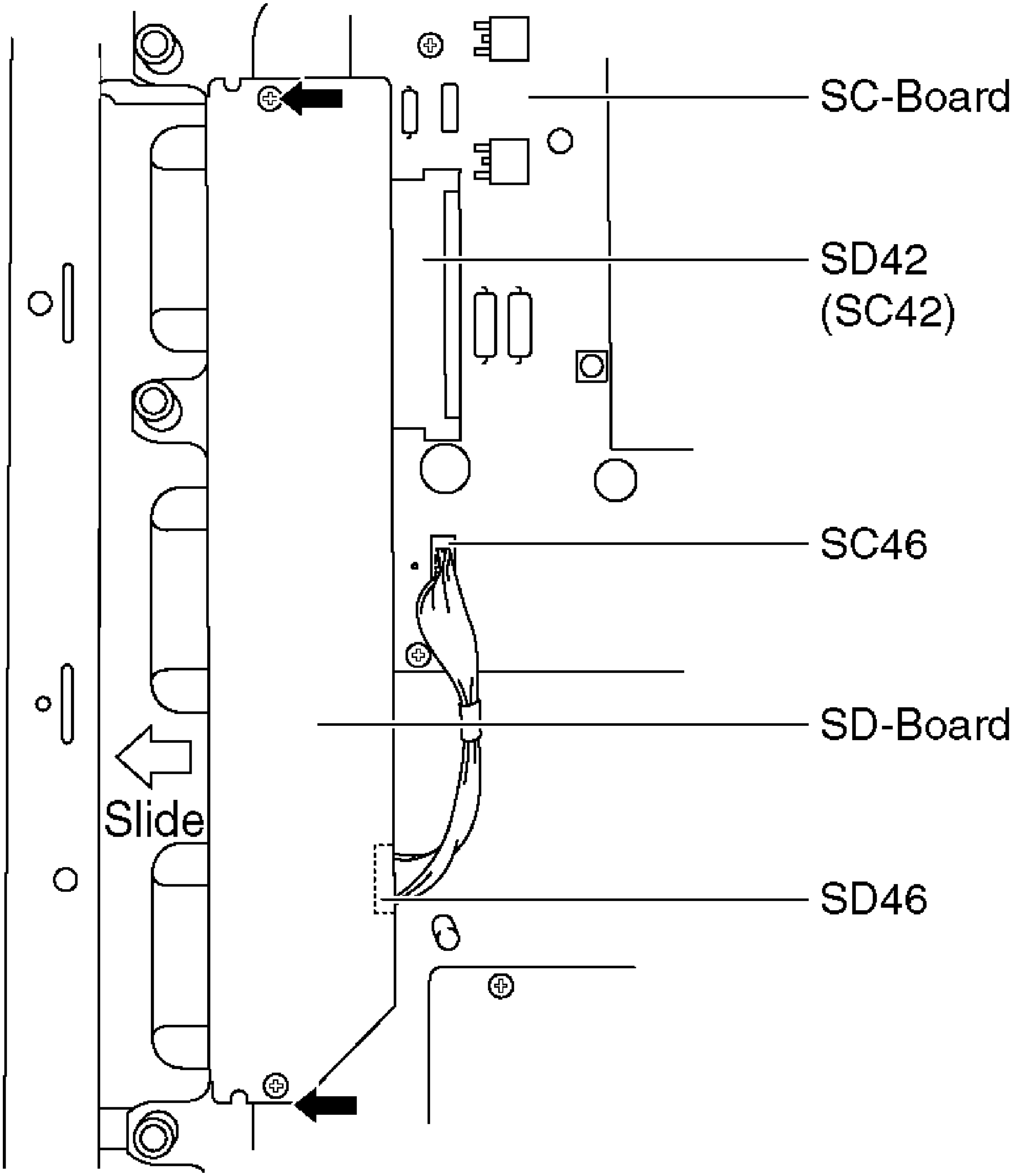

SU-Board
SU45
SC45
Slide
SU41
(SC41)
SC-Board

4. **Remove the flexible cables (SU1, SU2, SU3) connected to the SU-Board from the plasma panel, and remove the SU-Board.**

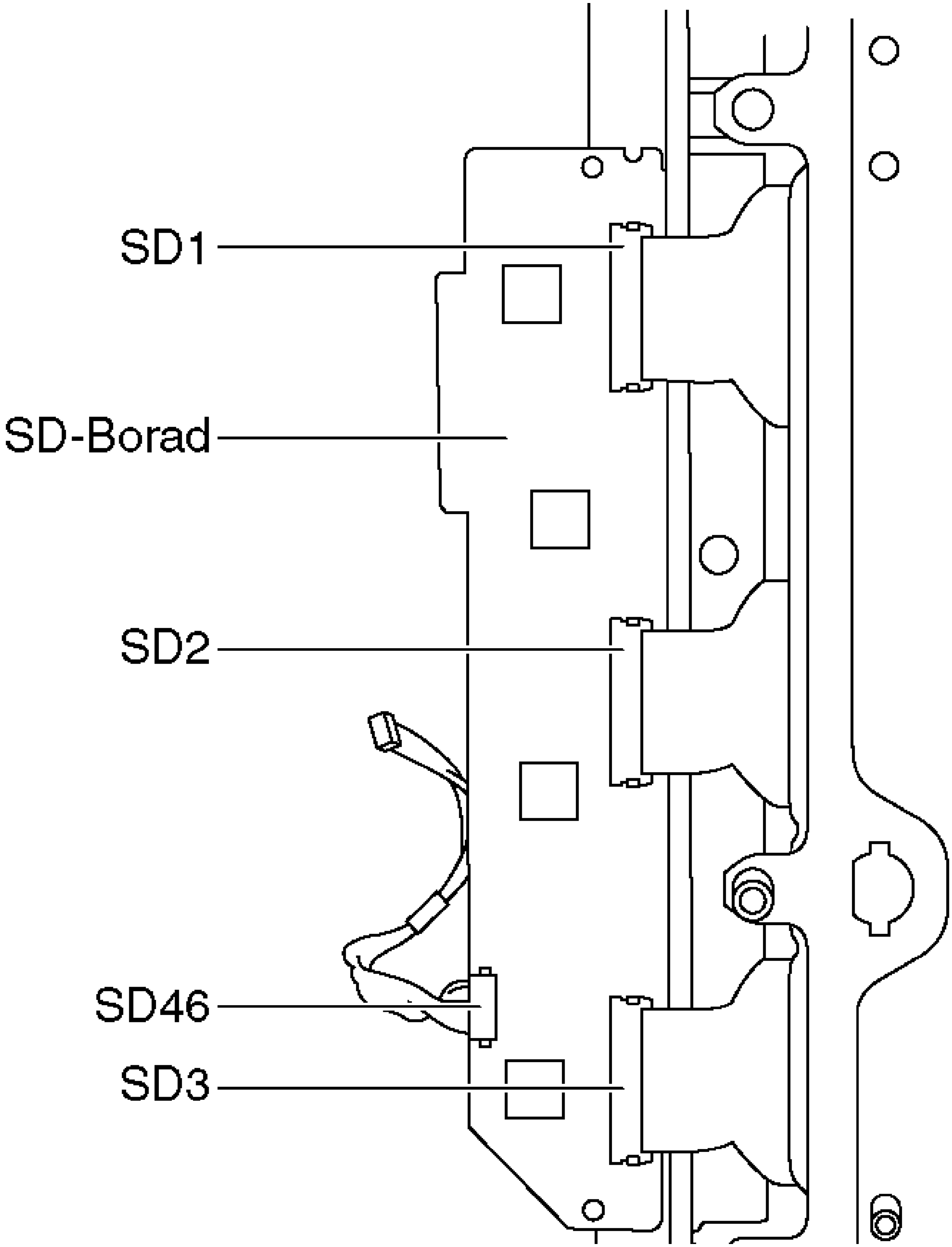

SU1
SU45
SU2
SU-Borad
SU3

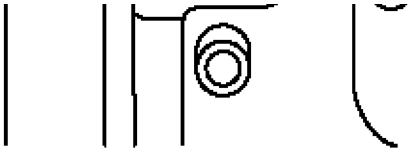
7.11. Removal of the SD-Board

1. **Unscrew the screws (×2➡).**
2. **Slide the SD-Board to the left and disconnect from the couplers (SC42) on the SC-Board.**
3. **Remove the coupler (SD46).**


SC-Board
SD42
(SC42)
SC46
SD-Board
Slide
SD46

4. Remove the flexible cables (SD1, SD2, SD3) connected to the SD-Board from the plasma panel, and remove the SD-Board.

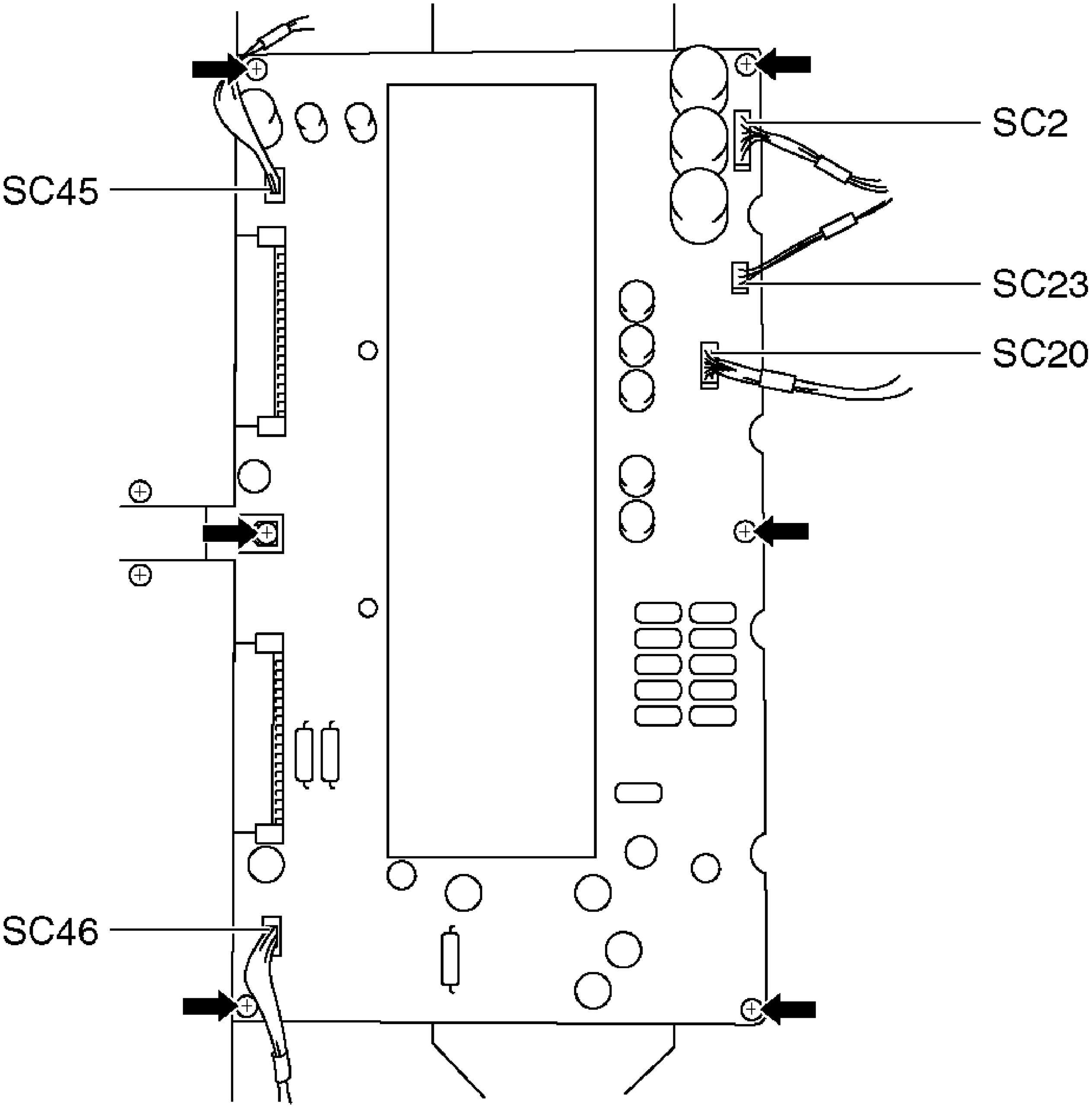

SD1
SD-Borad
SD2
SD46
SD3



7.12. Removal of the SC-Board

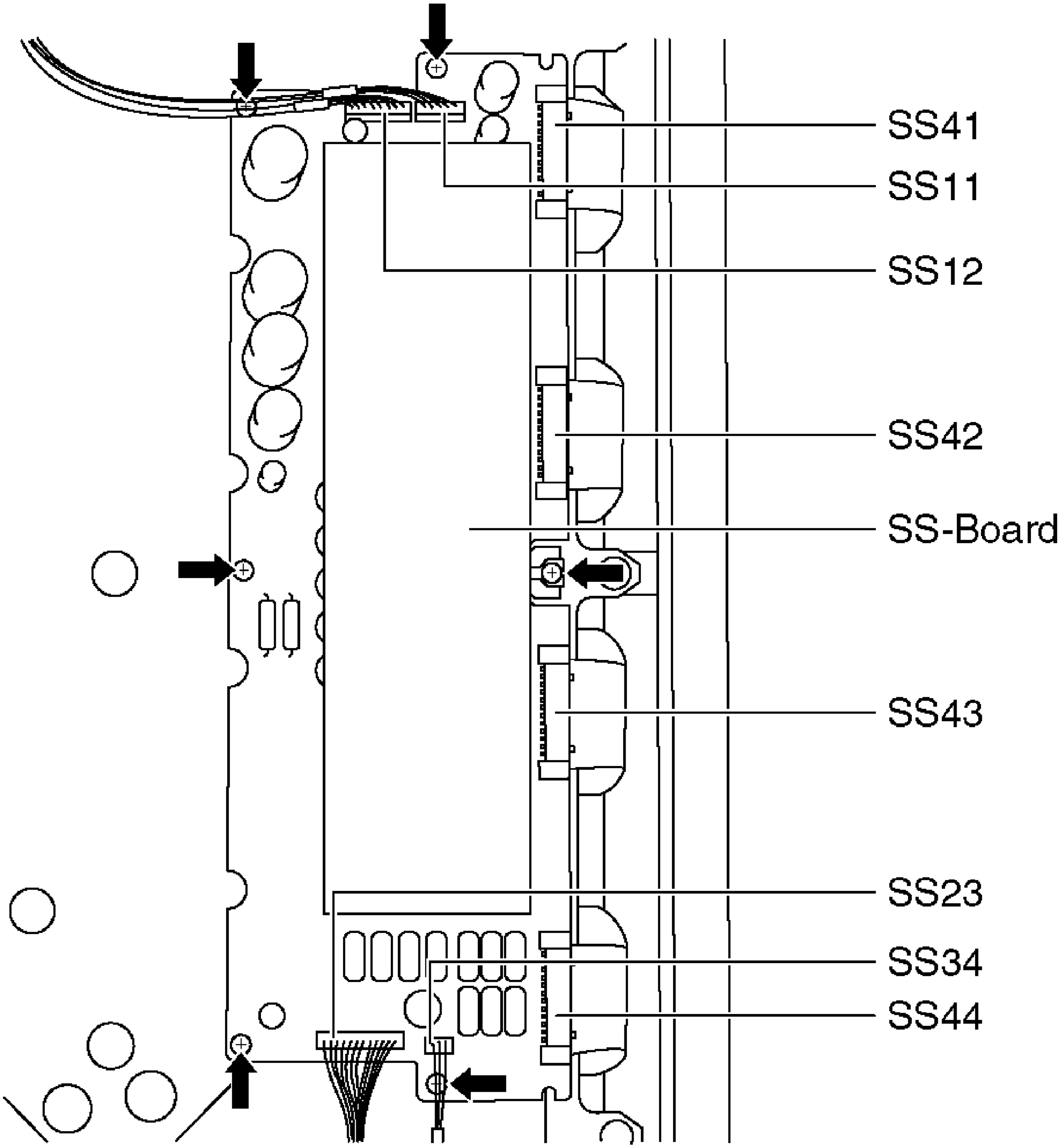
1. **Remove the couplers (SC2, SC20, SC23, SC45, SC46).**

2. **Unscrew the screws (×6➡) and remove the SC-Board.**


SC45
SC2
SC23
SC20
SC46

7.13. Removal of the SS-Board

1. Remove the couplers (SS11, SS12, SS23, SS34).
2. Remove the flexible cables (SS41, SS42, SS43, SS44).
3. Unscrew the screws (×6➡), and remove the SS-Board.


SS41
SS11
SS12
SS42
SS-Board
SS43
SS23
SS34
SS44

7.14. Removal of the C1-Board

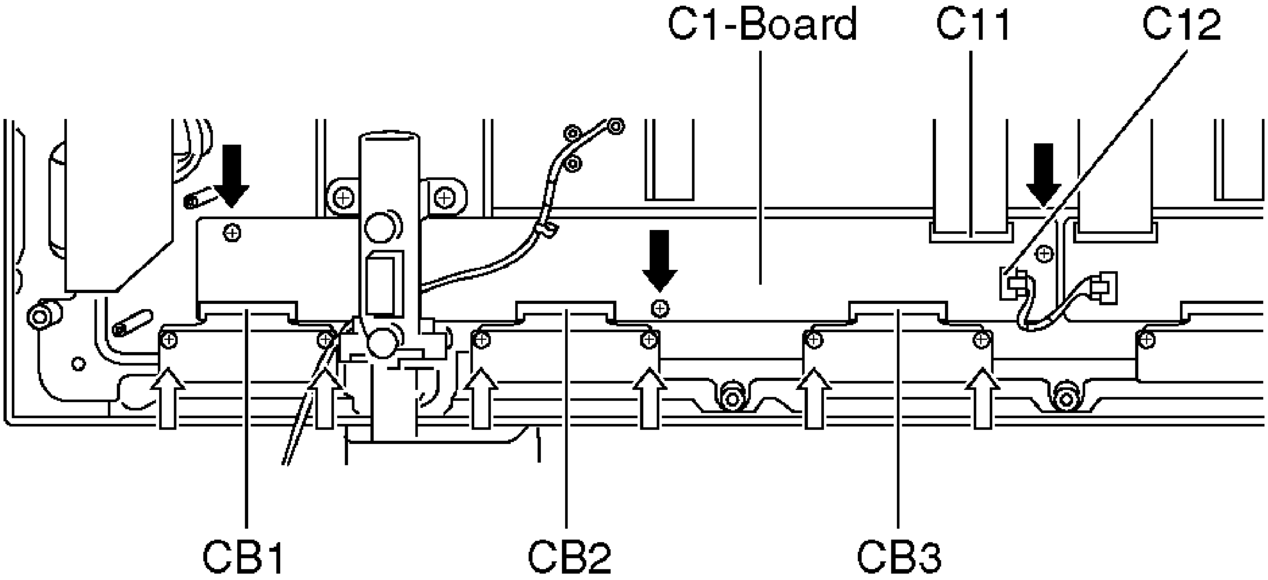
1. **Unscrew the flexible cable holder fastening screws (×6⇨).**

2. **Remove the flexible cables (CB1, CB2, CB3).**

3. **Remove a flexible cable (C11), a coupler (C12) and release the speaker cables**

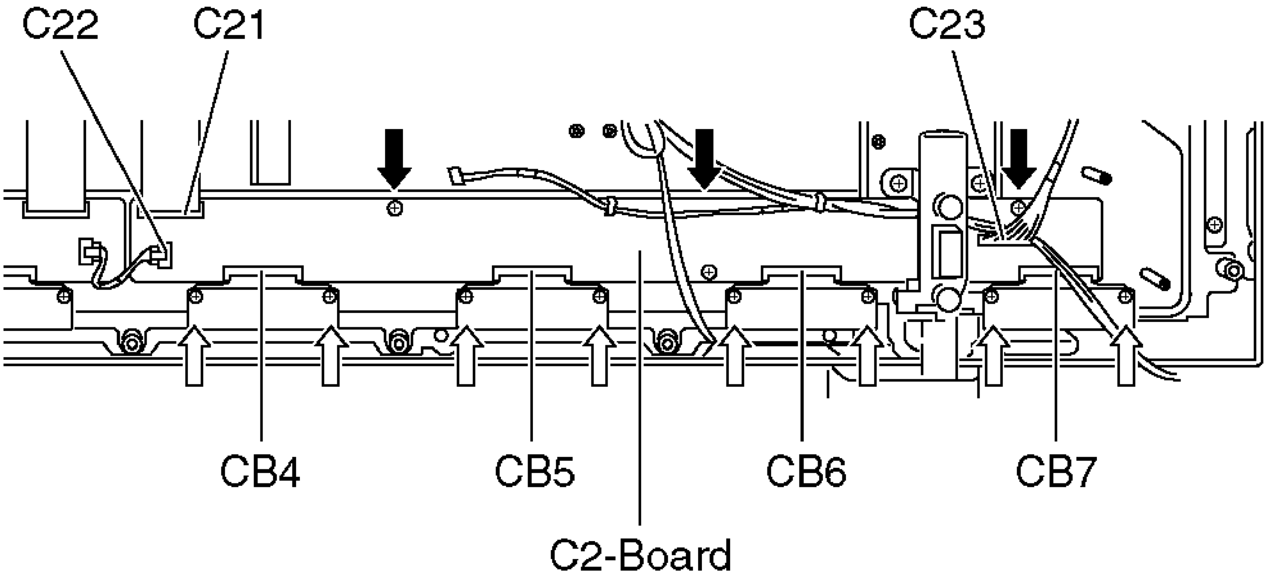
from a clamper (×1) on the C1-Board.

4. Unscrew the screws (×3➡), and remove the C1-Board.



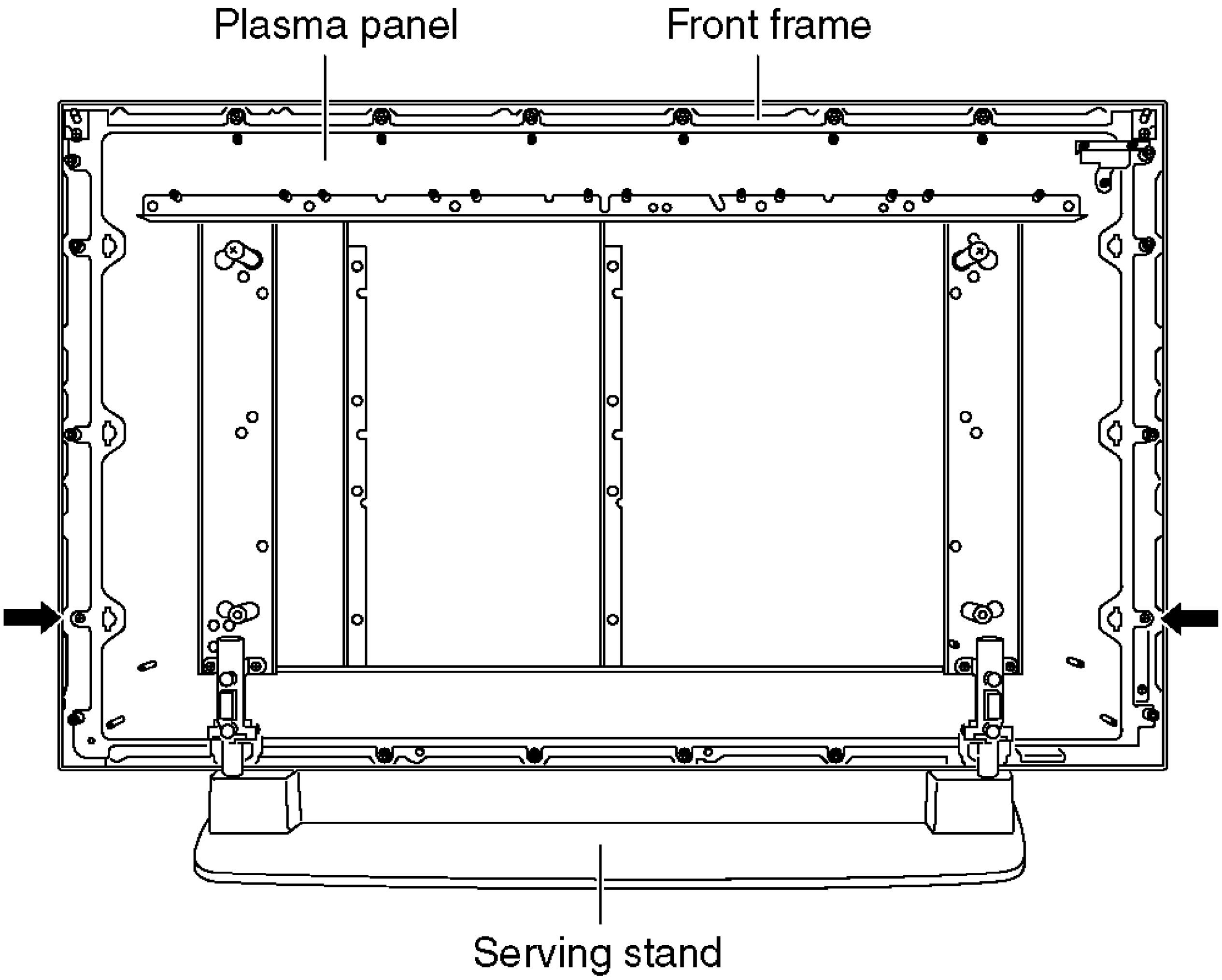
7.15. Removal of the C2-Board

1. Unscrew the flexible cable holder fastening screws (×8⇨).
2. Remove the flexible cables (CB4, CB5, CB6, CB7).
3. Remove the couplers (C22, C23), a flexible cable (C21) and release the speaker cables from the clamper on the C2-Board.
4. Unscrew the screws (×3➡), and remove the C2-Board.

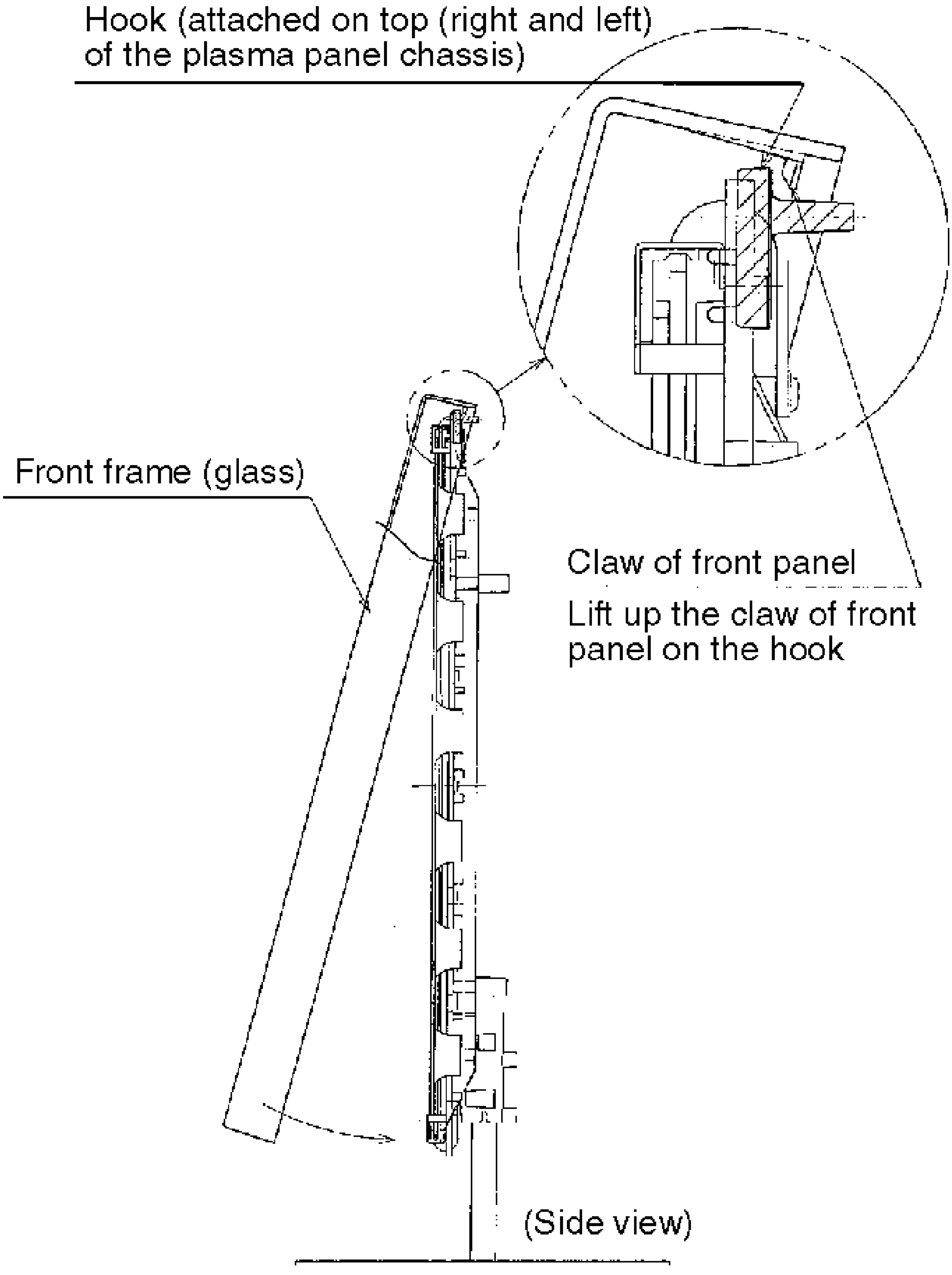

C22
C21
C23
CB4
CB5
CB6
CB7
C2-Board

7.16. Removal of the Front frame (glass)

1. Remove the screws (×2➡) fixing the front frame and the plasma panel.

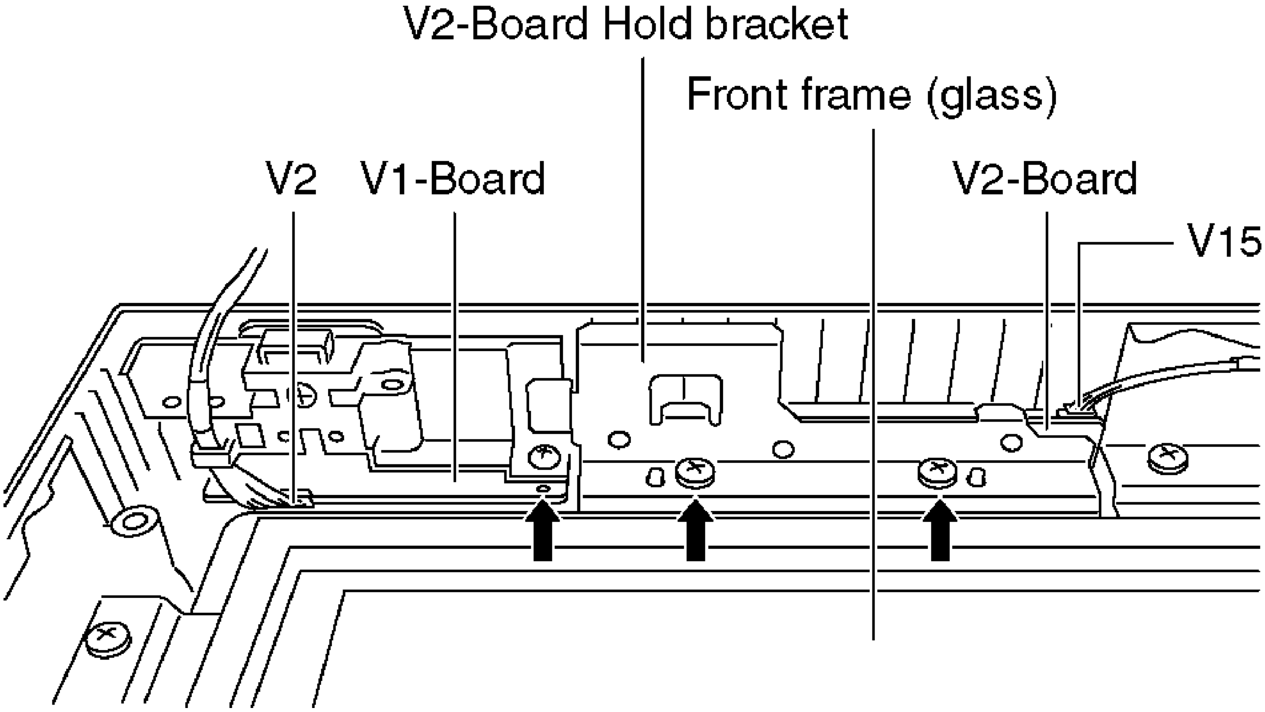

Plasma panel
Front frame
Serving stand

2. **Confirm the S1-Board has been removed and the cable to the V1-Board and V2-Board released.**
3. **For leaving the front frame from the plasma panel, pull the bottom of the front frame to forward, lift up, and remove.**


Hook (attached on top (right and left) of the plasma panel chassis)
Front frame (glass)
Claw of front panel
Lift up the claw of front panel on the hook
(Side view)

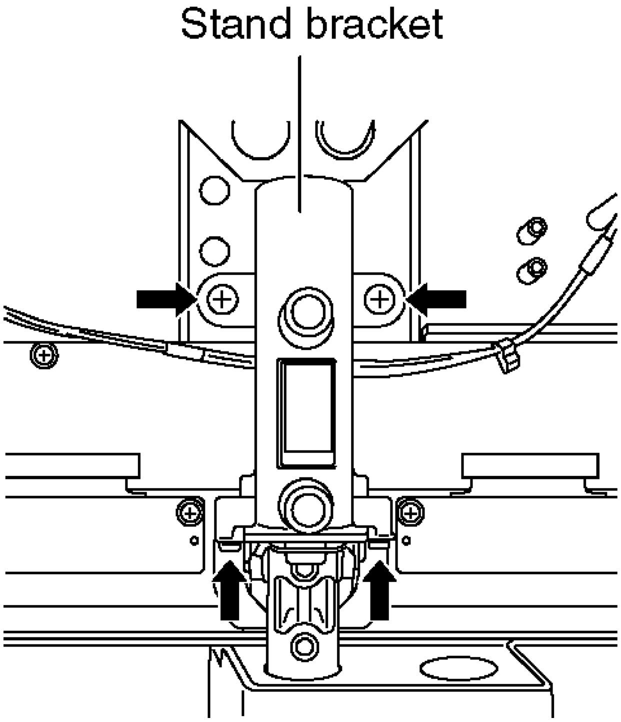
7.17. Removal of the V1-Board and the V2-Board

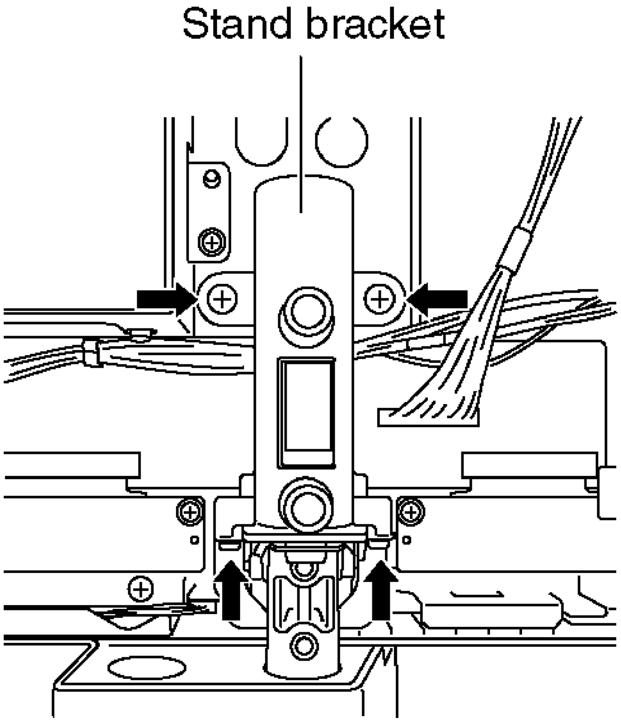
1. **Lay down the front frame on the flat surface of the table (covered by a soft cloth not to damage the surface.)**
2. **Remove the couplers (V2 on the V1-Board and V15 on the V2-Board).**
3. **Unscrew the screws (×3➡).**
4. **Remove the V1-Board, the V2-Board hold bracket and the V2-Board.**



7.18. Removal of stand brackets

1. **Remove the plasma panel section from the servicing stand and lay on a table (covered), with the plasma panel surface facing downward.**
   Spread a soft cloth for protection, to prevent panel surface from scratching.
2. **Remove the stand bracket (left, right) fastening screws (×4➡ each) and remove the stand brackets (left, right).**





7.19. Replacement of the plasma panel

1. Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.

2. Fit the stand brackets (left, right.) fasten 4 screws each on the new plasma panel.

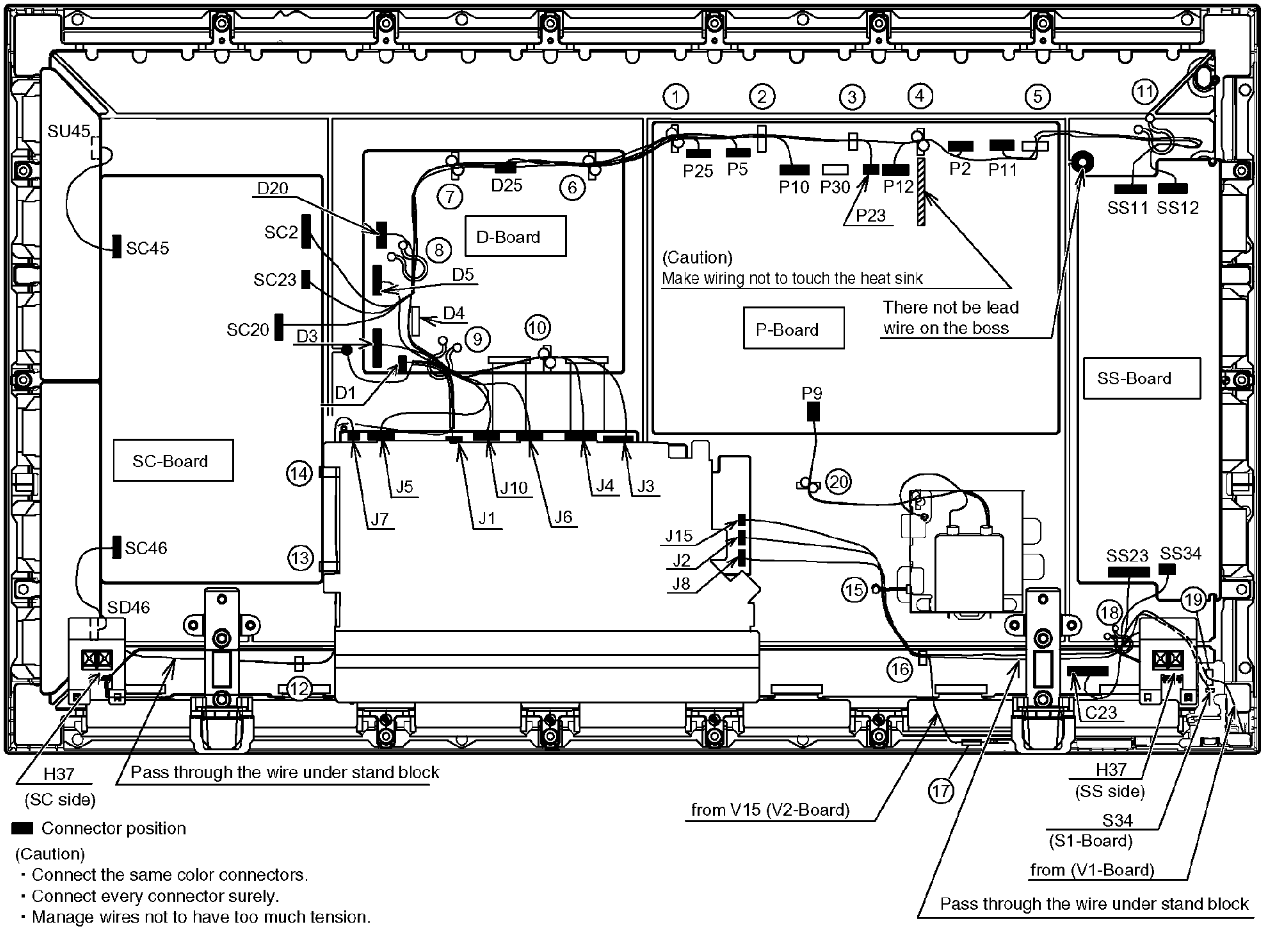
3. Place the plasma panel section on the servicing stand.

4. Attach the front frame, each P.C.Board and so on, to the new plasma panel.

*** When fitting the front frame, be careful not to allow any debris, dust or handling residues to remain between the front glass and plasma panel.**

8. Location of Lead Wiring

8.1. Wiring for 37 inch model


①
②
③
④
⑤
⑪
SU45
D20
D25
⑥
⑦
SC2
⑧
D-Board
SC45
SC23
D5
D4
SC20
D3
⑨
⑩
D1
P25
P5
P10
P30
P12
P23
P2
P11
SS11
SS12
(Caution)
Make wiring not to touch the heat sink
There not be lead wire on the boss
P-Board
SS-Board
P9
SC-Board
⑭
J5
J10
J4
J3
J7
J1
J6
⑳
SC46
⑬
J15
J2
J8
⑮
SS23
SS34
⑲
⑱
SD46
⑯
⑫
C23
H37
(SC side)
Pass through the wire under stand block
from V15 (V2-Board)
⑰
H37
(SS side)
S34
(S1-Board)
from (V1-Board)
Pass through the wire under stand block

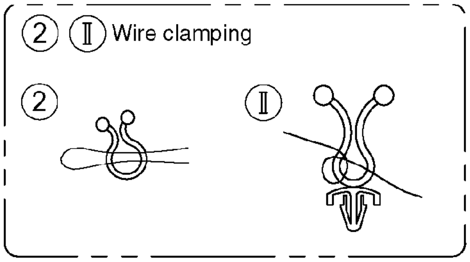
■ Connector position

(Caution)
- Connect the same color connectors.
- Connect every connector surely.
- Manage wires not to have too much tension.
- Manage wires not to touch any sharp edge of the metal parts.
- When disconnect the coupler with lock, release lock and disconnect it.

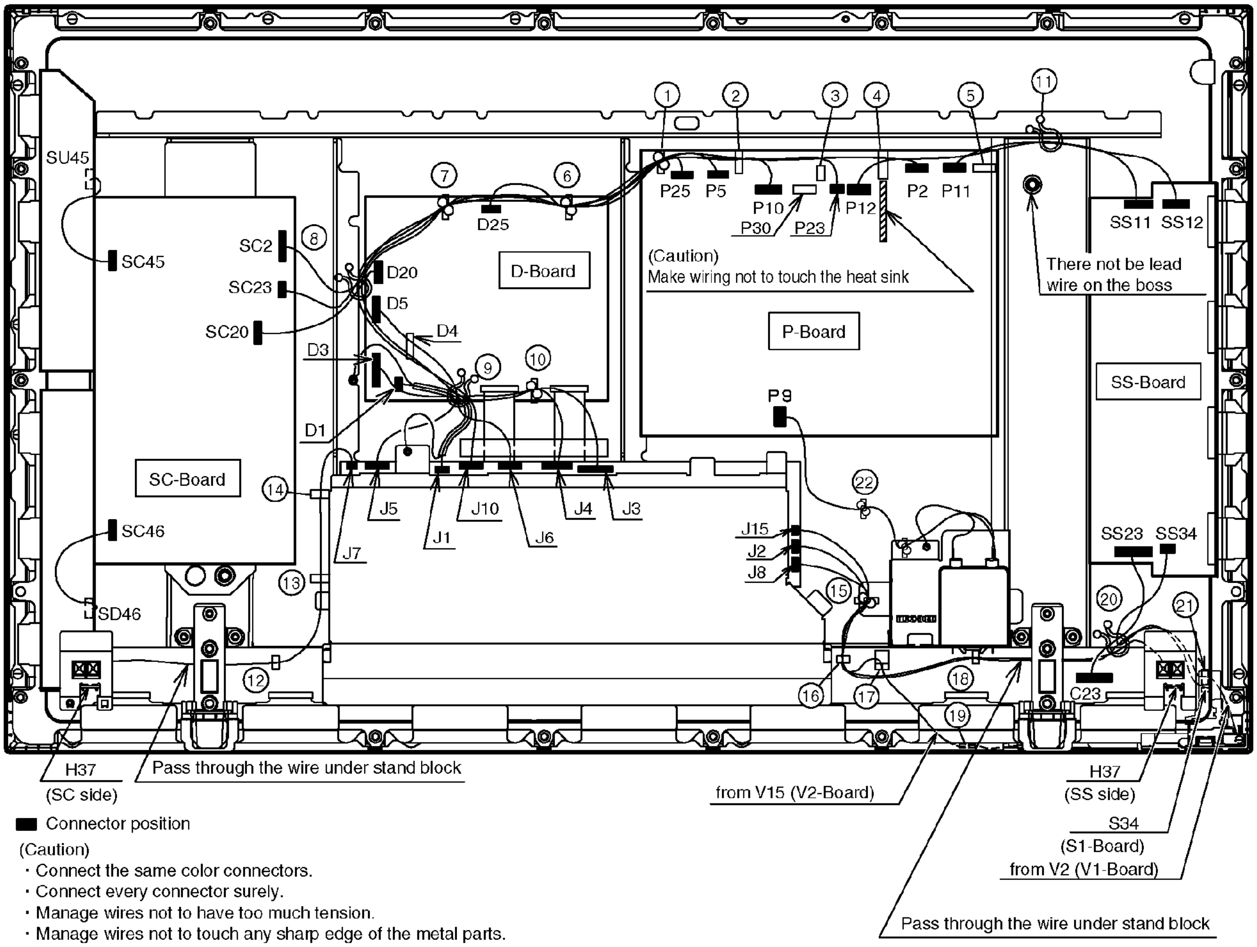
Clamp position

CON:No. — CON:No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳
SS11 — P11											②									
SS12 — P12				○							②									
SC2 — P2	○	○		○		○	○	○												
SC23 — P23	○	○				○	○	○												
SC20 — D20								○												
D25 — P25	○					○														
J5 > D5									○											
J6									○											
J3 — D3									○	○										
J1 — D1									○											
J10 — P10	○	○				○	○	○	○											
J4 — P5	○					○	○	○	○	○										
J7 — H37 (SC side)												○	○	○						
J8 — H37 (SS side)															○	○		○		
V15 (V2-Board) — J15															Ⅱ	○	○		○	
V2 (V1-Board) — J2															○	○		○		○
SS23 — C23																				○
SS34 — S34																				○
H37 — J8															○	○		○		○
AC Inlet — P9																				

② Ⅱ Wire clamping



8.2. Wiring for 42 inch model

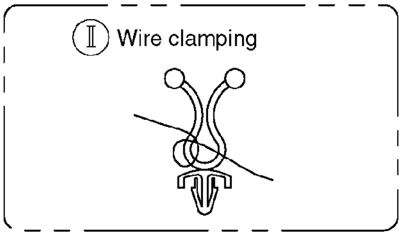

①
②
③
④
⑤
⑪
SU45
⑦
⑥
D25
P25
P5
P10
P30
P23
P12
P2
P11
SS11
SS12
SC45
SC2
⑧
SC23
SC20
D20
D5
D4
D3
D-Board
(Caution)
Make wiring not to touch the heat sink
P-Board
There not be lead wire on the boss
⑨
⑩
SS-Board
P9
D1
SC-Board
⑭
J5
J10
J4
J3
J7
J1
J6
㉒
J15
J2
J8
SC46
SS23
SS34
⑬
⑮
⑳
㉑
SD46
⑫
⑱
⑯
⑰
C23
⑲
H37
(SC side)
Pass through the wire under stand block
from V15 (V2-Board)
H37
(SS side)
S34
(S1-Board)
from V2 (V1-Board)
Pass through the wire under stand block

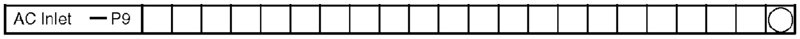
■ Connector position

(Caution)
- Connect the same color connectors.
- Connect every connector surely.
- Manage wires not to have too much tension.
- Manage wires not to touch any sharp edge of the metal parts.
- When disconnect the coupler with lock, release lock and disconnect it.

Clamp position

CON:No. — CON:No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒
SS11 — P11											○											
SS12 — P12				○							○											
SC2 — P2	○	○		○		○	○	○														
SC23 — P23	○	○				○	○	○														
SC20 — D20								○														
D25 — P25	○					○																
J5 > D5									○													
J6									○													
J3 — D3									○	○												
J1 — D1									○													
J10 — P10	○	○				○	○	○	○													
J4 — P5	○					○	○	○	○	○												
J7 — H37 (SC side)												○	○	○								
J8 — H37 (SS side)															○	○		○				
V15 (V2-Board) — J15															Ⅰ	○	○		○			
V2 (V1-Board) — J2															○	○		○		○	○	
SS23 — C23																				○		
SS34 — S34																				○		
H37 — J8															○	○		○		○		
AC Inlet — P9																						○


Ⅰ Wire clamping



9. Adjustment Procedure

9.1. Driver Set-up

9.1.1. Item / Preparation

1. Input a white signal of the RGB signal generator.

2. Set the picture controls: -
Picture menu: Standard
Color temperature: Middle
Picture: 25
Aspect: Full

Caution

1. First perform Vsus adjustment.

2. Confirmation of Vscn voltage should be performed after confirmation of Vad adjustment.
When Vad=-90V, Voltage of Vscn is 30V ±3V.

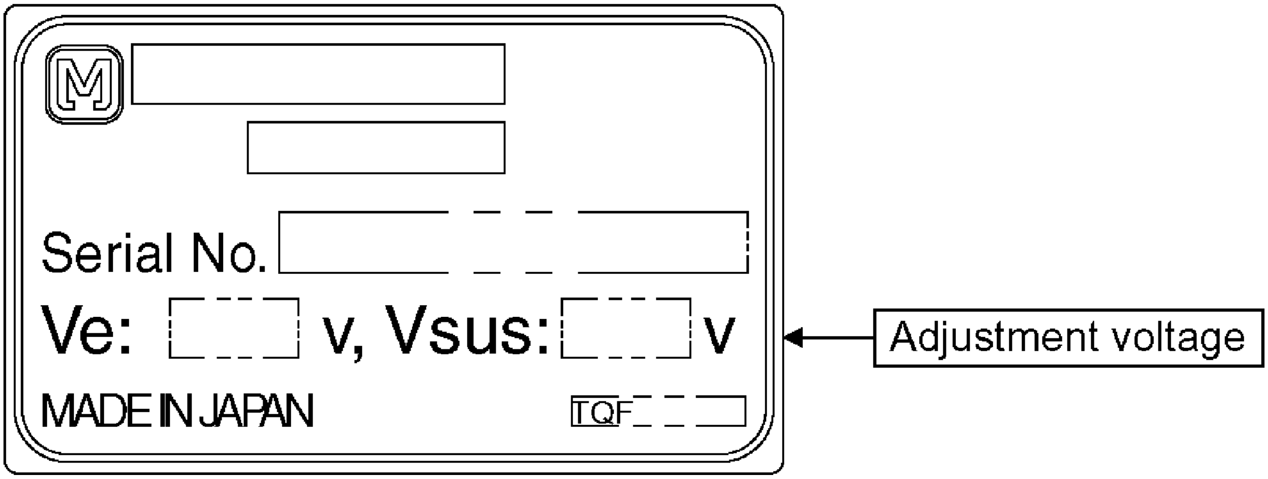
9.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus ± 1V	R628 (P)	*
Ve	TPVE (SS)	Ve ± 2V	VR6074 (SS)	*
Vset	TPVSET (SC)	232V ± 7V	Fixed	
Vad	TPVAD (SC)	-90V ± 1V	VR6477 (SC)	
Vscn	TPVSCN (SC)	Vad+120V ± 3V	Fixed	
Vda	TPVDA (SS)	67V ± 1V	R665 (P)	
PFC	C446 (+) (-)	395V ± 0.5V	R443 (P)	
Vlow	C555 (+) (-)	73V ± 0.1V	R661 (P)	load current : 0.4A
Csus	TPVSUS (SS)	164V ± 0.5V	R671 (P)	load current : 1.45A

***See the Panel label.**

Panel Label information


Serial No.
Ve: v, Vsus: V
MADE IN JAPAN
TQF
Adjustment voltage

9.2. Initialization Pulse Adjust

1. Input the White signal to plasma video input.

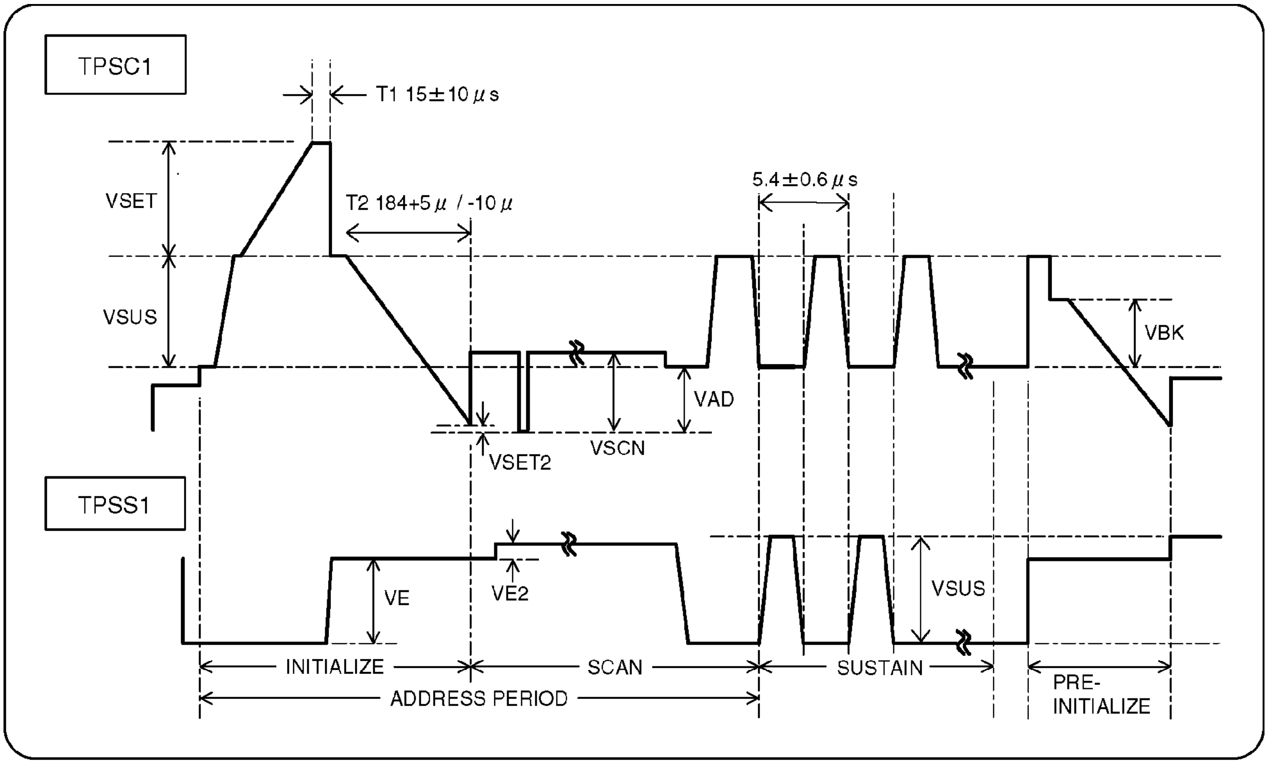
2. Set the picture controls as follows.

- **Picture menu: Standard**
- **Color temperature : Middle**
- **Picture : 25**

3. Connect Oscilloscope to TPSC1 (T1) and check for 15±10 μ Sec.

4. Connect Oscilloscope to TPSC1 (T2) and adjust R6557 for 184+5 μ /-10 μ Sec.

	Test point	Volume	Level
T1	**TPSC1 (SC)**	**---**	**15 ± 10 μ Sec**
T2	**TPSC1 (SC)**	**R6557 (SC)**	**184 + 5 μ / - 10 μ Sec**


TPSC1
T1 15±10μs
VSET
T2 184+5μ / -10μ
5.4±0.6μs
VSUS
VBK
VAD
VSET2
VSCN
TPSS1
VE
VE2
VSUS
INITIALIZE
SCAN
SUSTAIN
PRE-INITIALIZE
ADDRESS PERIOD

9.3. P.C.B. (Printed Circuit Board) exchange

9.3.1. Caution

1. **To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.**

9.3.2. Quick adjustment after P.C.B. exchange

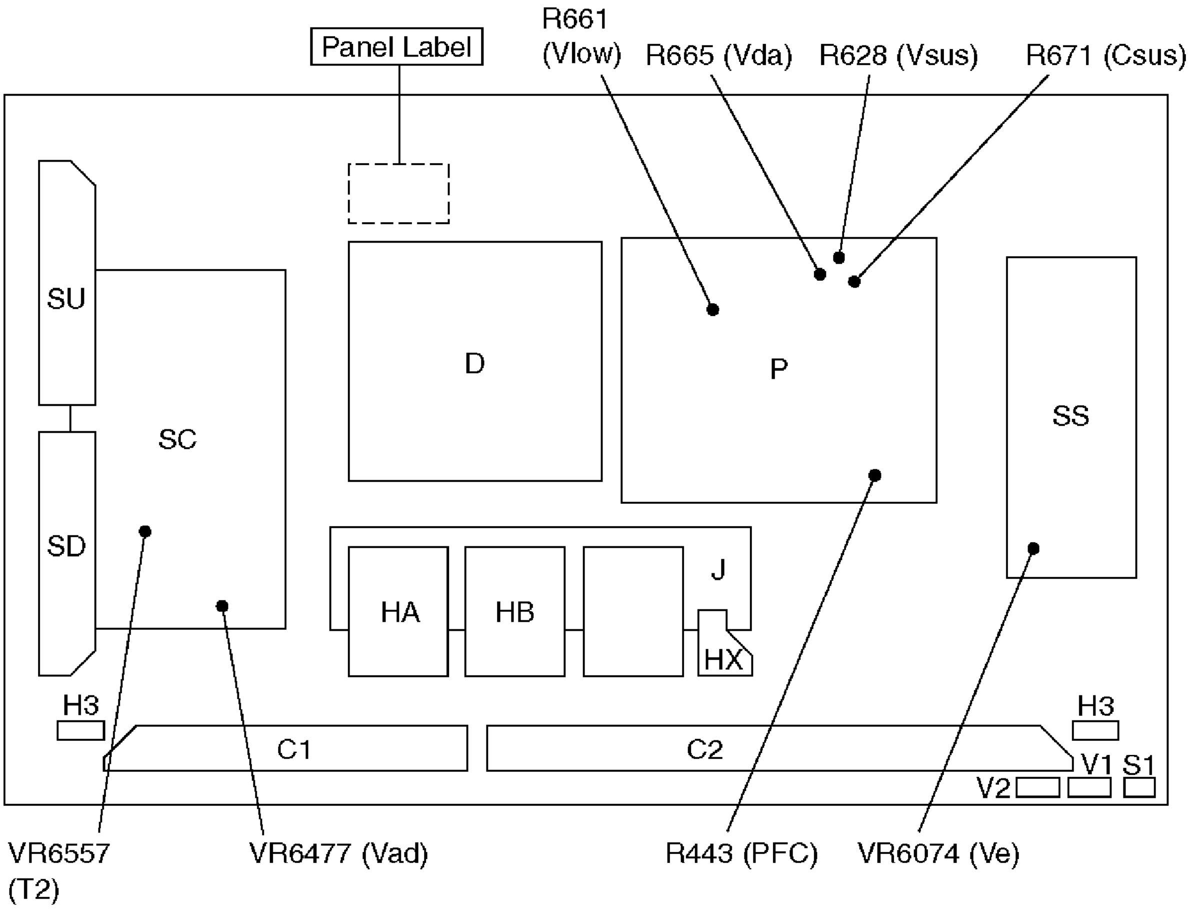
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	Vsus ± 2V	R628 (P)	*
	Vda	TPVDA (SS)	67V ± 1V	R665 (P)	
	PFC	C446 (+) (-) (P)	395V ± 0.5V	R443 (P)	
	Vlow	C557 (+) (-) (P)	73V ± 0.1V	R661 (P)	load current : 0.4A
	Csus	TPVSUS (SS)	178V ± 0.5V	R671 (P)	load current : 1.45A
SC Board	Vad	TPVAD (SC)	-90V ± 1V	VR6477 (SC)	
SS Board	Ve	TPVE (SS)	Ve ± 2V	VR6074 (SS)	*
D, DG Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

***See the Panel label.**

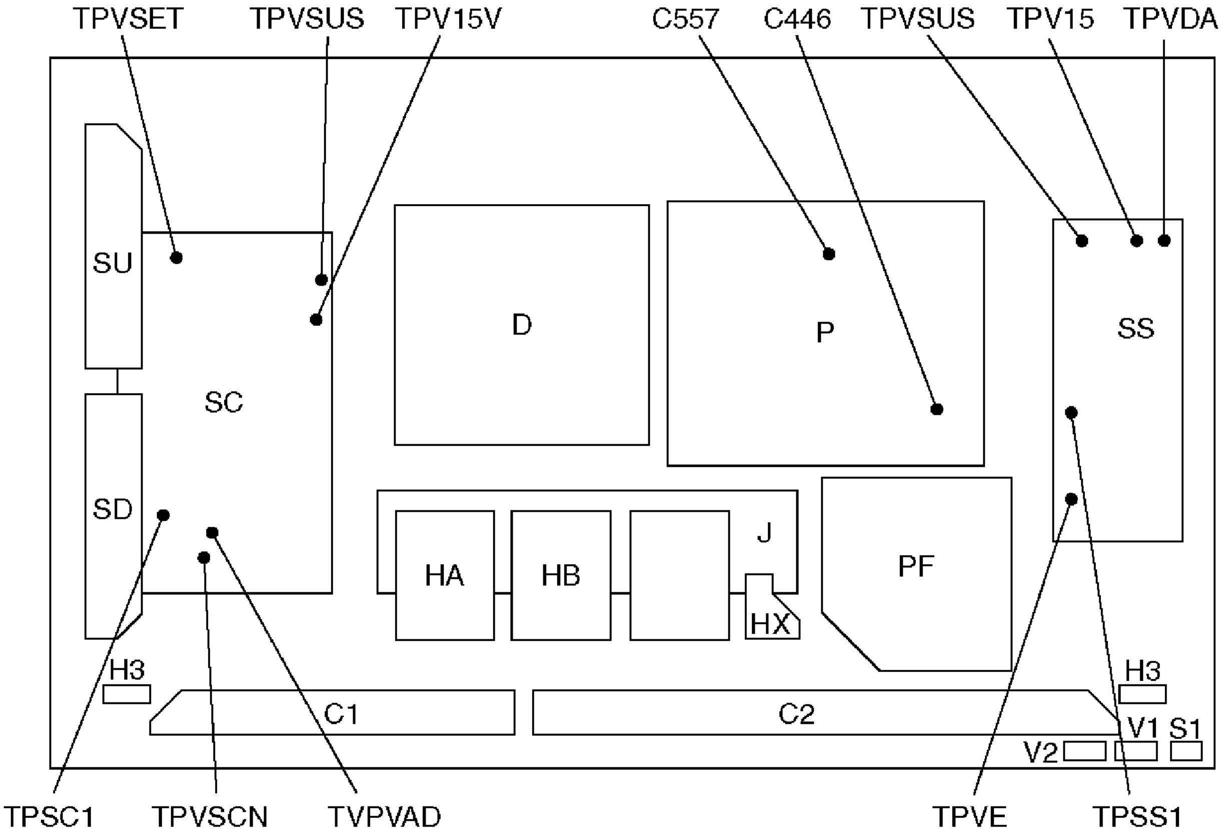
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

9.4. Adjustment Volume Location


Panel Label
R661
(Vlow)
R665 (Vda)
R628 (Vsus)
R671 (Csus)
SU
SC
SD
D
P
SS
J
HA
HB
HX
H3
H3
C1
C2
V1
S1
V2
VR6557
(T2)
VR6477 (Vad)
R443 (PFC)
VR6074 (Ve)

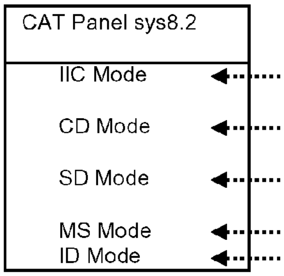
9.5. Test Point Location


TPVSET
TPVSUS
TPV15V
C557
C446
TPVSUS
TPV15
TPVDA
SU
SC
SD
D
P
SS
HA
HB
J
HX
PF
H3
C1
C2
H3
V1
S1
V2
TPSC1
TPVSCN
TVPVAD
TPVE
TPSS1

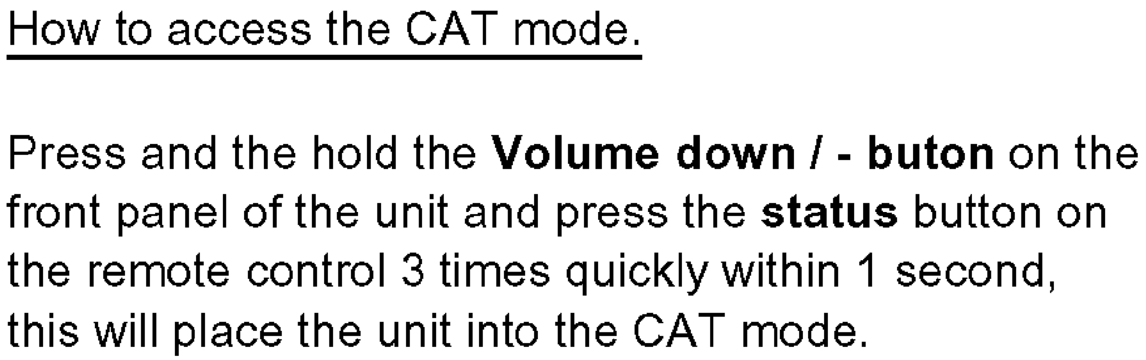
10. Service mode

10.1. CAT (computer Aided Test) mode

CAT mode menu (Front page)


CAT Panel sys8.2
IIC Mode
CD Mode
SD Mode
MS Mode
ID Mode

Mode	Function	Access button
IIC	Service Alignment	Action
CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD(Status Display)	MTBF parameter	Action
MS Mode	Not use	-----
ID	Not use	-----



How to access the CAT mode.

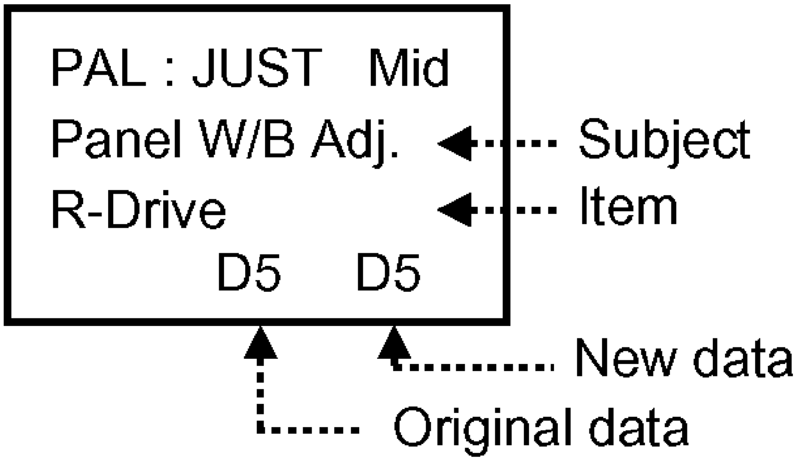
Press and the hold the **Volume down / - buton** on the front panel of the unit and press the **status** button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the CAT mode, access the ID mode and switch off the main power.

10.1.1. IIC mode

Select the IIC mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD

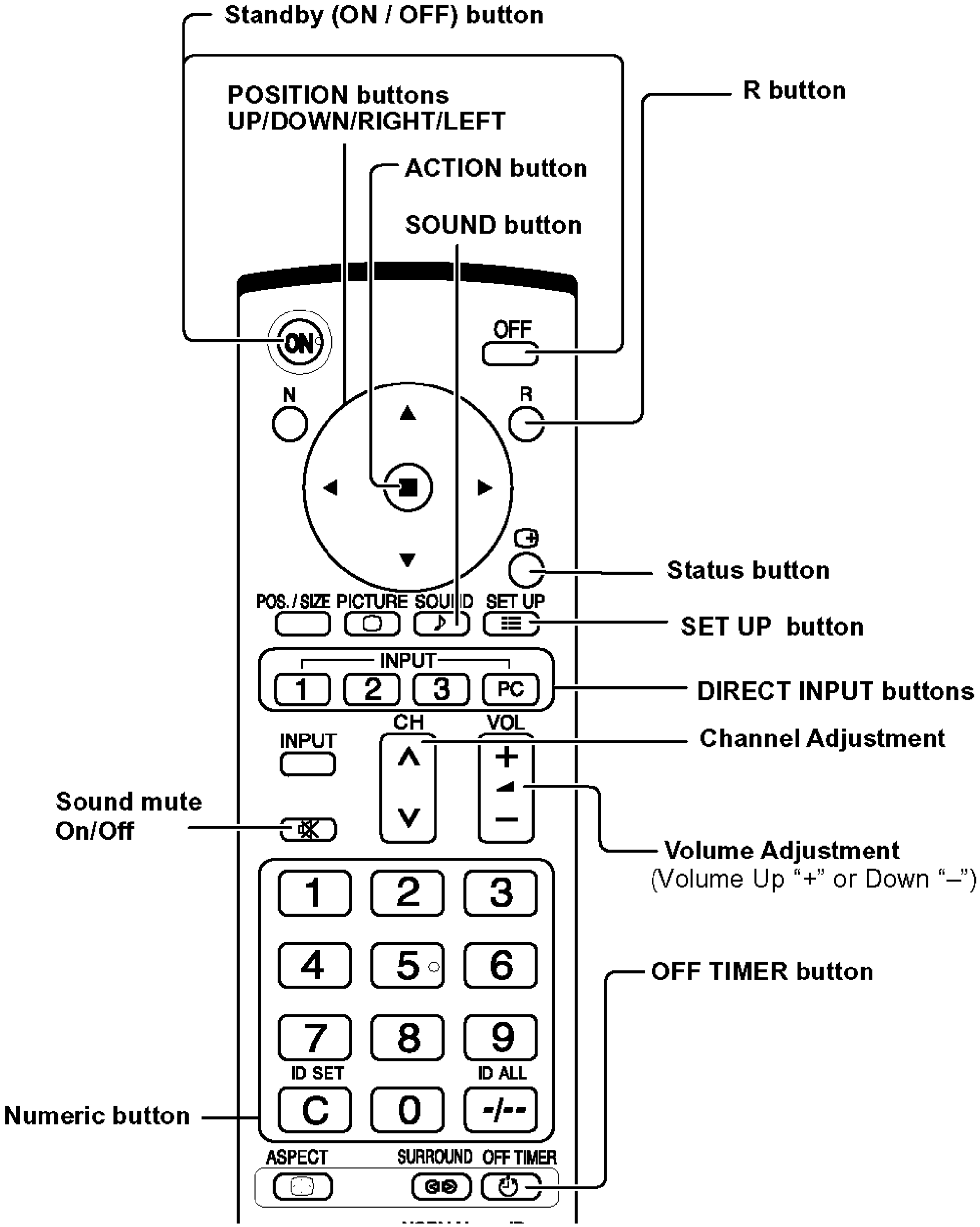

PAL : JUST Mid
Panel W/B Adj.
R-Drive
D5 D5
Subject
Item
New data
Original data

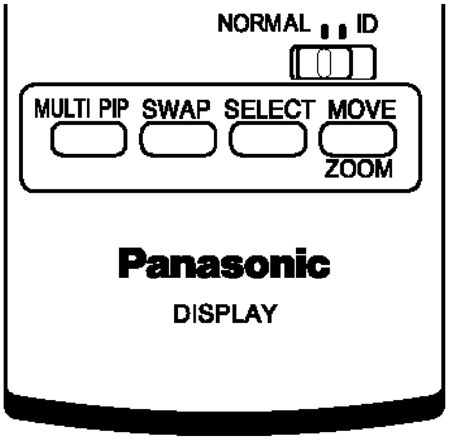
How to use the IIC mode.

1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2 .Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on page 24.
To exit the IIC mode, press the R button on the remote control.

Remote control

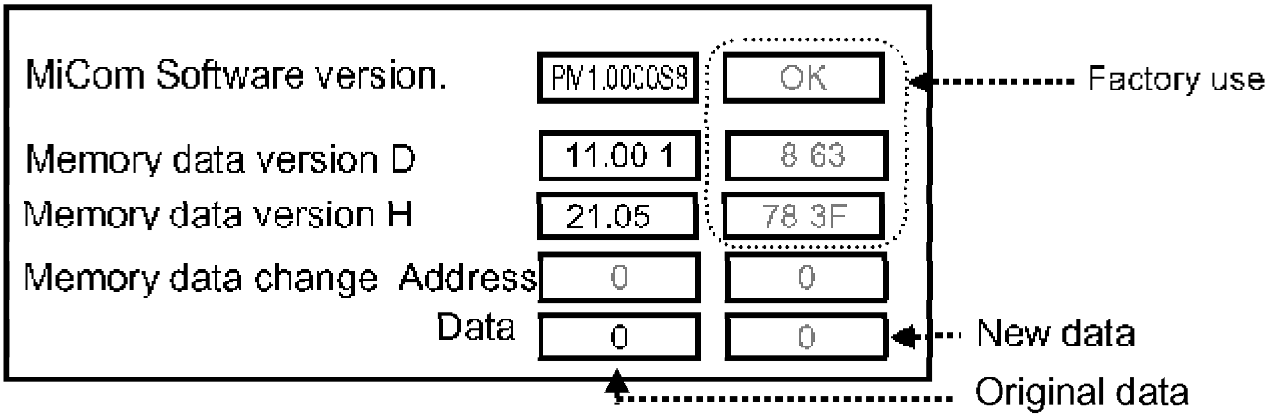

Standby (ON / OFF) button
POSITION buttons UP/DOWN/RIGHT/LEFT
ACTION button
SOUND button
R button
ON
OFF
N
R
Status button
POS. / SIZE
PICTURE
SOUND
SET UP
SET UP button
INPUT
1
2
3
PC
DIRECT INPUT buttons
CH
VOL
INPUT
Channel Adjustment
Sound mute On/Off
Volume Adjustment
(Volume Up "+" or Down "–")
1
2
3
4
5
6
7
8
9
ID SET
ID ALL
C
0
-/--
OFF TIMER button
Numeric button
ASPECT
SURROUND
OFF TIMER


NORMAL
ID
MULTI PIP
SWAP
SELECT
MOVE
ZOOM
Panasonic
DISPLAY

10.1.2. CD mode

Select the CD mode by Up/Down button on the remote control at the front page of CAT mode then press the Mute button on the remote control more than 5 sec.

OSD



MiCom Software version. PM1.00C0S8 OK

Memory data version D 11.00 1 8 63

Memory data version H 21.05 78 3F

Memory data change Address 0 0

Data 0 0

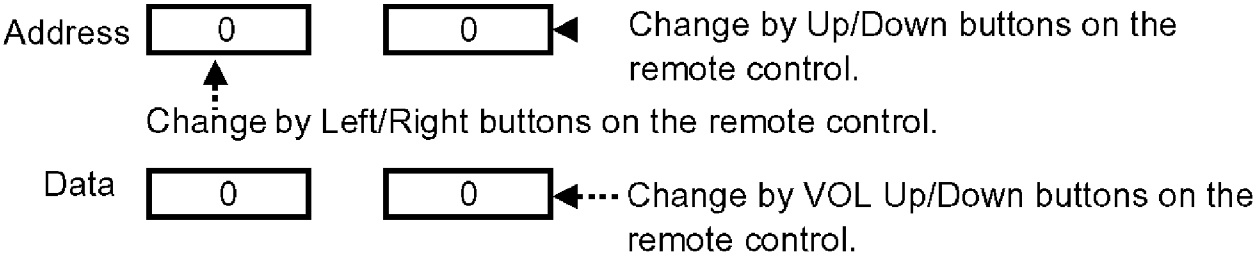
Factory use
New data
Original data

Micom software version (IC9703), this version can be upgrade by

1. replace of new version IC

2. Loading the new version software from loader tool, TZSC07036.

Memory data change


Address
0
0
Change by Up/Down buttons on the remote control.
Change by Left/Right buttons on the remote control.
Data
0
0
Change by VOL Up/Down buttons on the remote control.

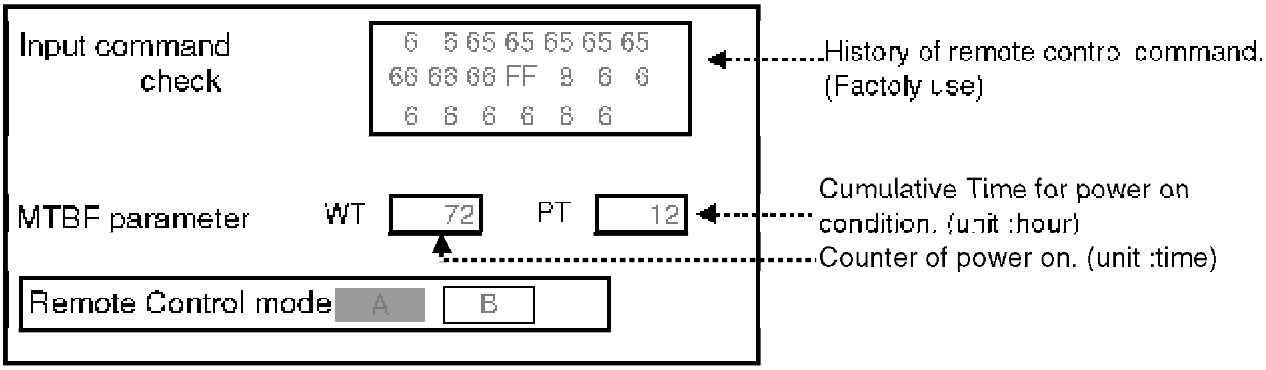
The data is memorized when switch off the main power.

To exit the CD mode, press the R button on the remote control.

10.1.3. SD mode

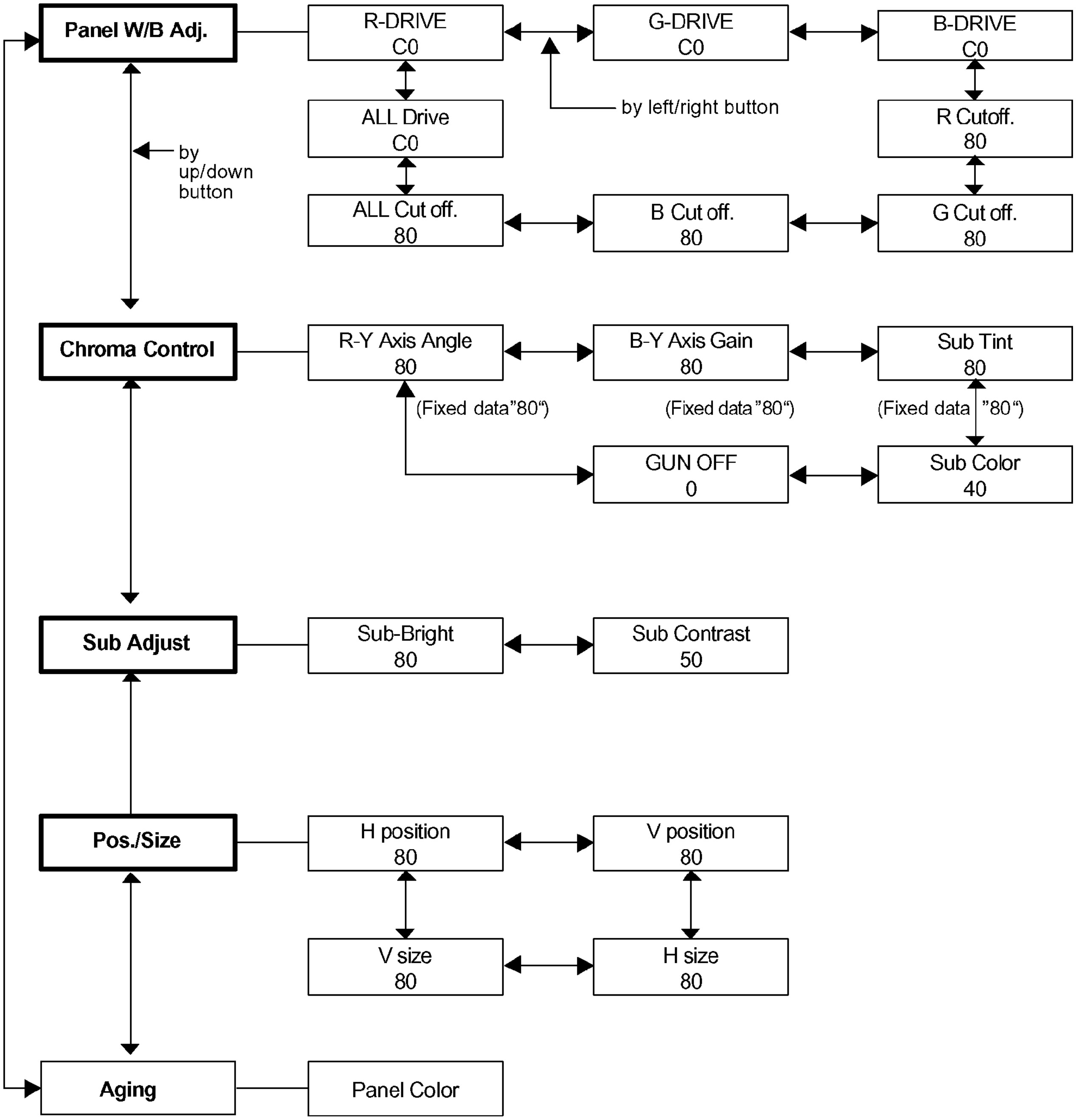
Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD


Input command check
6 5 65 65 65 65 65
66 66 66 FF 8 6 6
6 6 6 6 6 6
History of remote control command.
(Factoly use)
MTBF parameter
WT
72
PT
12
Cumulative Time for power on condition. (unit :hour)
Counter of power on. (unit :time)
Remote Control mode
A
B

To exit the SD mode, press the R button on the remote control.

10.2. IIC mode structure (following items value is sample data.)


Panel W/B Adj.
R-DRIVE
C0
G-DRIVE
C0
B-DRIVE
C0
ALL Drive
C0
by left/right button
R Cutoff.
80
by
up/down
button
ALL Cut off.
80
B Cut off.
80
G Cut off.
80
Chroma Control
R-Y Axis Angle
80
B-Y Axis Gain
80
Sub Tint
80
(Fixed data"80")
(Fixed data"80")
(Fixed data "80")
GUN OFF
0
Sub Color
40
Sub Adjust
Sub-Bright
80
Sub Contrast
50
Pos./Size
H position
80
V position
80
V size
80
H size
80
Aging
Panel Color

0 WHITE
1 RED
2 GREEN
3 BLUE
4 SCROLL BAR
5 WHITE
6 RAMP_W
7 RAMP_R
8 RAMP_G
9 RAMP_B
10 WINDOW

These are selected by the Action button of Remote and press the R button to exit.

11. Alignment

11.1. PC/RGB panel white balance

11.2. HD/ 525ip /625ip panel white balance

12. Trouble shooting guide

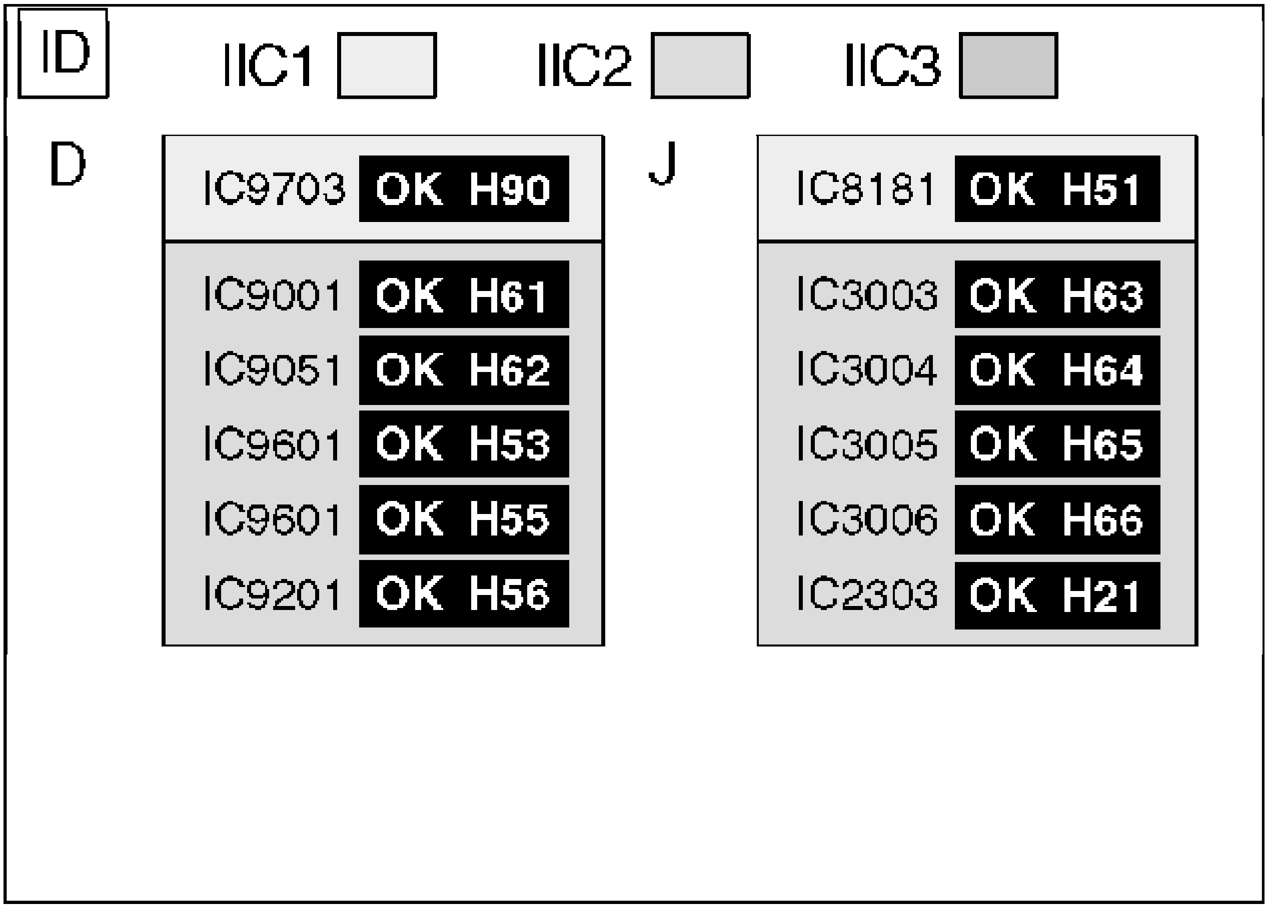
12.1. Self Check

12.1.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.

2. To get into the Self-check mode, press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show :-

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "



ID

IIC1 ☐ IIC2 ☐ IIC3 ☐

D

IC9703 OK H90

IC9001 OK H61

IC9051 OK H62

IC9601 OK H53

IC9601 OK H55

IC9201 OK H56

J

IC8181 OK H51

IC3003 OK H63

IC3004 OK H64

IC3005 OK H65

IC3006 OK H66

IC2303 OK H21

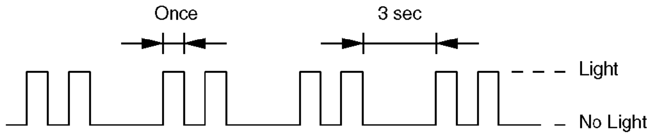
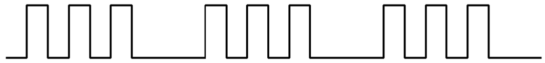
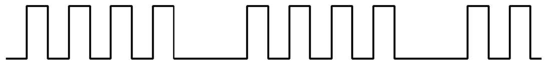
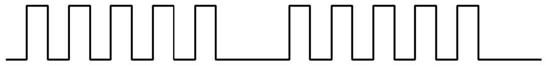
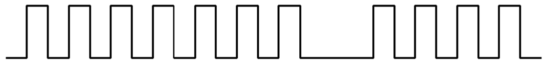
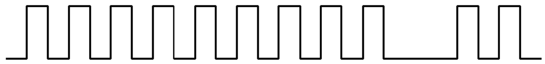
12.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
2	 Once 3 sec Light No Light	SCAN Driver1 (SC Energy recovery circuit)
3		3.3V SOS (P-Board)
4		5V SOS (D-Board)
5		Power SOS (P-Board)
7		SCAN Driver2 (SC floating Voltage area)
9		SUS Driver (SS Energy recovery circuit)

12.2. No Power

[First check point]

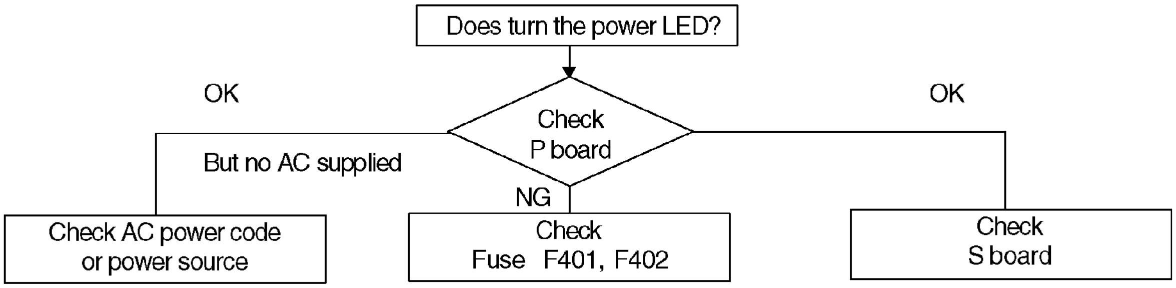
There are following 3 states of No Power indication by power LED.

1. No lit

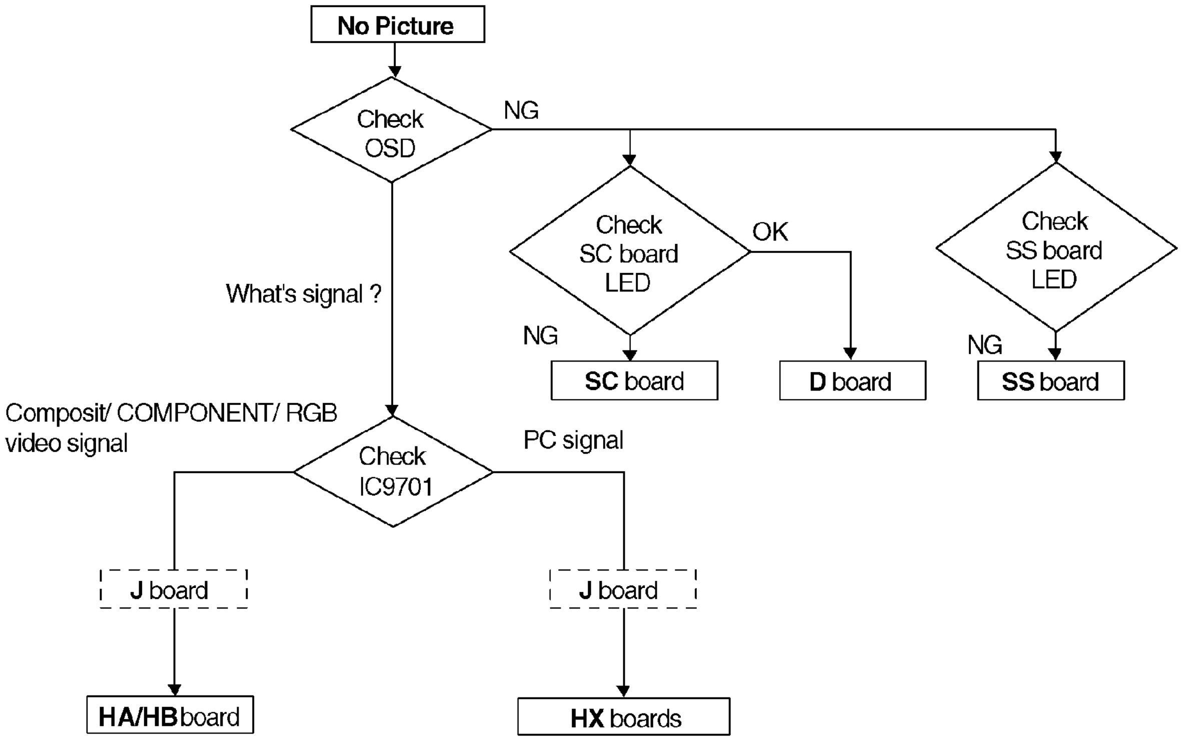
2. Green is lit then turns red blinking a few seconds later.

3. Only red is lit.

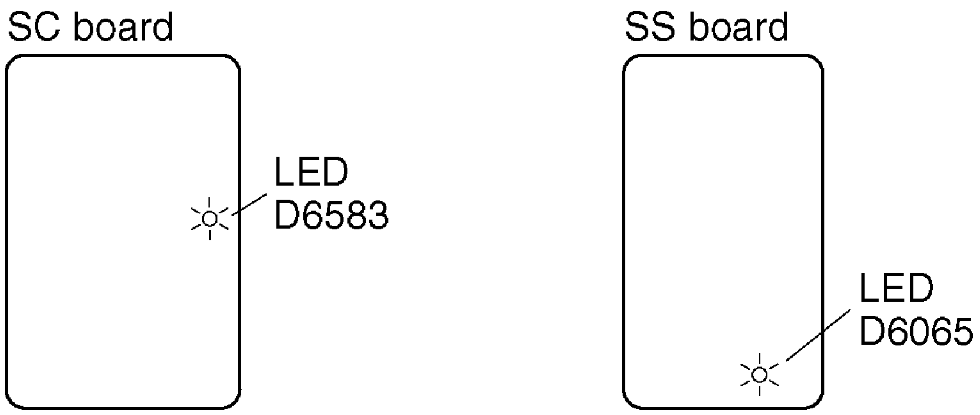
1. No lit


Does turn the power LED?
Check
P board
OK
But no AC supplied
Check AC power code
or power source
NG
Check
Fuse F401, F402
OK
Check
S board

12.3. No Picture


No Picture
Check OSD
NG
Check SC board LED
OK
Check SS board LED
NG
SC board
D board
NG
SS board
What's signal ?
Composit/ COMPONENT/ RGB video signal
Check IC9701
PC signal
J board
J board
HA/HB board
HX boards

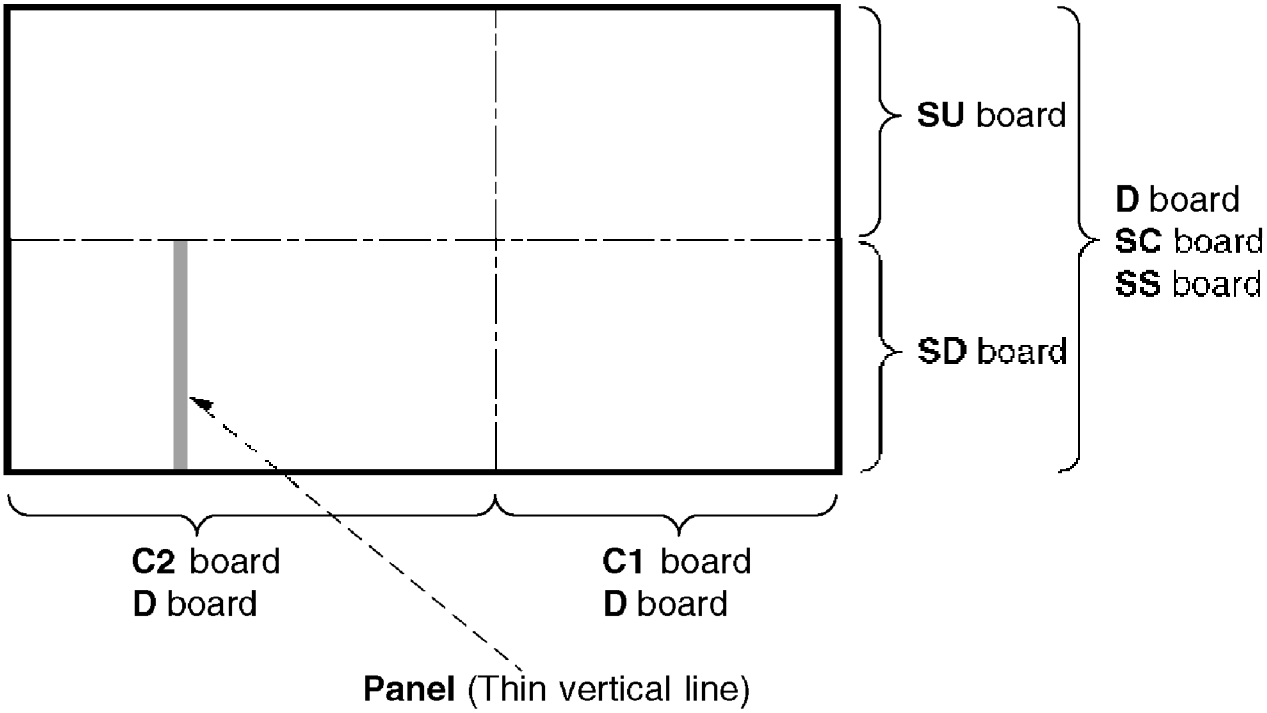
Drive circuits LED indicator


SC board
LED
D6583
SS board
LED
D6065

12.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

Fig - 1


SU board
D board
SC board
SS board
SD board
C2 board
D board
C1 board
D board
Panel (Thin vertical line)

<Local screen failure chart>

13. Option Setting

Hidden Option Menu for GP8D series

GP8D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or change these because of hidden On screen menu.

Option menus	default setting	Contents
Off-timer function	**Enable**	**Off-timer operation Enable/Disable.**
On Screen display	**On**	**Enable/Disable to display input mode indication after power on and no signal indication.**
Initial INPUT	**Off**	**Sets the initial input mode when the power is turned on .** **Allow input mode selection while power is on.**
Initial VOL. level	**Off**	**Sets the initial volume level when the power is turned on.** **Allow Volume control while power is on.**
Maximum VOL. Level	**Off**	**Sets the maximum volume to desired level. Volume cannc exceed this level.**
INPUT lock	**Off**	**Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.**
Studio W/B	**Off**	**Set warm mode color temperature to 3,200 Kelvin.**
Advanced PIP	**Off**	**Off : Sets normal two screen display mode.** **On : Sets Advanced PIP mode.**
Display size	**Off**	**Adjusts the image display size on screen.** **On : Sets the image display size approximately 95% of the normal image display.**
Button lock	**Off**	**Enable/Disable front operation buttons (Input and/or volume up/down)**
Remocon User Level	**Off**	**Remote key invalidation.** **Off : Valid key is all key of remote.** **User1 : Valid key are only Stand-by (ON/OFF), Input, Status, Surround, Sound mute On/Off, and volume adjustment.** **User2 : Valid key is only Stand-by (ON/OFF).** **User3 : All keys are null and void**
ID Select	**0 to 100**	**Set ID number from 001 to 100.**
Remote ID	**Off**	**Remote ID function On/Off.** **(While the Remote ID on, standard remote function can nc control the unit.)**
Serial ID	**Off**	**Serial ID function On/Off**
Slot power	**Off**	**Sets the slot power mode the power is turned on.** **Allow Optional Terminal Board insert Slots while power is on.**
V. Installation	**Off**	**V. Installation function On/Off (Not used)**
Rotate	**Off**	**Screen rotates 180°dgrees (up-down)**

14. Circuit Board Layout

14.1. P-Board

14.2. HA-Board

14.3. HB-Board

14.4. HX-Board (37 inch)

14.5. HX-Board (42 inch)

14.6. J-Board (37 inch)

14.7. J-Board (42 inch)

14.8. D-Board

14.9. C1-Board (37 inch)

14.10. C1-Board (42 inch)

14.11. C2-Board (37 inch)

14.12. C2-Board (42 inch)

14.13. SC-Board

14.14. SU-Board (37 inch)

14.15. SU-Board (42 inch)

14.16. SD-Board (37 inch)

14.17. SD-Board (42 inch)

14.18. SS-Board

14.19. H3, S1, V1 and V2-Board

15. Block and Schematic Diagrams

15.1. Schematic Diagram Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is µF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source .... AC120V, 50/60Hz (GK/GS/UK)
   AC220-240V, 50/60Hz (BK/BS/EK/ES)
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
   Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

15.2. Main Block Diagram

15.3. P-Board Block Diagram

15.4. P-Board (1 of 6) Schematic Diagram

15.5. P-Board (2 of 6) Schematic Diagram

15.6. P-Board (3 of 6) Schematic Diagram

15.7. P-Board (4 of 6) Schematic Diagram

15.8. P-Board (5 of 6) Schematic Diagram

15.9. P-Board (6 of 6) Schematic Diagram

15.10. HA-Board Block and Schematic Diagram

15.11. HB-Board Block Diagram

15.12. HB-Board (1 of 2) Schematic Diagram

15.13. HB-Board (2 of 2) Schematic Diagram

15.14. HX-Board Block Diagram

15.15. HX-Board Schematic Diagram

15.16. S1, V1 and V2-Board Block Diagram and Schematic Diagram

15.17. J-Board (1 of 2) and H3-Board Block Diagram

15.18. J-Board (2 of 2) Block Diagram

15.19. J-Board (1 of 4) Schematic Diagram (37 inch)

15.20. J-Board (2 of 4) Schematic Diagram (37 inch)

15.21. J-Board (3 of 4) Schematic Diagram (37 inch)

15.22. J-Board (4 of 4) Schematic Diagram (37 inch)

15.23. J-Board (1 of 4) Schematic Diagram (42 inch)

15.24. J-Board (2 of 4) Schematic Diagram (42 inch)

15.25. J-Board (3 of 4) Schematic Diagram (42 inch)

15.26. J-Board (4 of 4) Schematic Diagram (42 inch)

15.27. D-Board Block Diagram

15.28. D-Board (1 of 12) Schematic Diagram

15.29. D-Board (2 of 12) Schematic Diagram

15.30. D-Board (3 of 12) Schematic Diagram

15.31. D-Board (4 of 12) Schematic Diagram

15.32. D-Board (5 of 12) Schematic Diagram

15.33. D-Board (6 of 12) Schematic Diagram

15.34. D-Board (7 of 12) Schematic Diagram

15.35. D-Board (8 of 12) Schematic Diagram

15.36. D-Board (9 of 12) Schematic Diagram

15.37. D-Board (10 of 12) Schematic Diagram

15.38. D-Board (11 of 12) Schematic Diagram

15.39. D-Board (12 of 12) Schematic Diagram

15.40. C1 and C2-Board Block Diagram

15.41. C1-Board (1 of 2) Schematic Diagram (37 inch)

15.42. C1-Board (2 of 2) Schematic Diagram (37 inch)

15.43. C1-Board (1 of 2) Schematic Diagram (42 inch)

15.44. C1-Board (2 of 2) Schematic Diagram (42 inch)

15.45. C2-Board (1 of 2) Schematic Diagram (37 inch)

15.46. C2-Board (2 of 2) Schematic Diagram (37 inch)

15.47. C2-Board (1 of 2) Schematic Diagram (42 inch)

15.48. C2-Board (2 of 2) Schematic Diagram (42 inch)

15.49. SC-Board Block Diagram

15.50. SC-Board (1 of 2) Schematic Diagram

15.51. SC-Board (2 of 2) Schematic Diagram

15.52. SU-Board Block Diagram

15.53. SU-Board Schematic Diagram (37 inch)

15.54. SU-Board Schematic Diagram (42 inch)

15.55. SD-Board Block Diagram

15.56. SD-Board Schematic Diagram (37 inch)

15.57. SD-Board Schematic Diagram (42 inch)

15.58. SS-Board Block Diagram

15.59. SS-Board Schematic Diagram

16. Parts Location

16.1. Parts Location (1)

16.2. Parts Location (2)

17. Packing Exploded Views

17.1. Packing Exploded Views (1)

17.2. Packing Exploded Views (2)

17.3. Packing Exploded Views (3)

18. Mechanical Replacement Parts List

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by AVC-SPC.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EUR7636070R	REMOTE CONTROLER	1	
2	J0KD00000095	FLAT CORE	2	TH-37PWD8UK,TH-42PWD8BK/BS/EK/ES/UK
	J0KF00000018	FILTER	1	
	J0KF00000021	NOISE FILTER	4	
	J0KG00000054	NOISE FILTER	1	
4	K2AH3H000033	AC-INLET	1	⚠
5	K2CG3DH00025	AC CORD	1	TH-37/42PWD8GK/GS/UK ⚠
5	K2CN3DH00006	AC CORD	1	TH-37/42PWD8EK/ES ⚠
5	K2CT3DH00018	AC CORD	1	TH-37/42PWD8BK/BS ⚠
6	MD37S08A1J	PLASMA DISPLAY PANEL	1	TH-37PWD8 SERIES ⚠
6	MD42S08A1J	PLASMA DISPLAY PANEL	1	TH-42PWD8 SERIES ⚠
7	TBMA162	PANASONIC BADGE	1	
8	TBXA46601	POWER BUTTON	1	
9	TBXA46701	5KEY BUTTON	1	
10	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL0239	SCREW (SLOT5~METAL4~COVER3)	13	TH-37PWD8 SERIES
	THEL0239	SCREW (SLOT5~METAL4~COVER3)	18	TH-42PWD8 SERIES
	THEL027N	SCREW	17	TH-37PWD8BK/BS/EK/ES
	THEL027N	SCREW	13	TH-37PWD8GK/GS
	THEL027N	SCREW	21	TH-37PWD8UK
	THEL027N	SCREW	19	TH-42PWD8BK/BS/EK/ES
	THEL027N	SCREW	14	TH-42PWD8GK/GS
	THEL027N	SCREW	22	TH-42PWD8UK
	THEL035N	SCREW	61	TH-37PWD8BK/BS/EK/ES
	THEL035N	SCREW	64	TH-37PWD8GK/GS/UK
	THEL035N	SCREW	74	TH-42PWD8BK/BS/EK/ES
	THEL035N	SCREW	43	TH-42PWD8GK/GS
	THEL035N	SCREW	64	TH-42PWD8UK
	THEL0439	SCREW (FLOCK)	12	TH-42PWD8BK/BS/EK/ES
	THEL0439	SCREW (FLOCK)	4	TH-37PWD8BK/BS/EK/ES
11	TKGA5220	FRONT GLASS	1	TH-42PWD8 SERIES
11	TKGA5221	FRONT GLASS	1	TH-37PWD8 SERIES
12	TKKC5213	LED PANEL	1	
13	TKKL5266	COVER	3	TH-42PWD8GK/GS
13	TKKL5266	COVER	2	TH-42PWD8BK/BS/UK/US
13	TKKL5266	COVER	1	TH-42PWD8UK
13	TKKL5266	COVER	2	TH-37PWD8GK/GS
13	TKKL5266	COVER	1	TH-37PWD8BK/BS/EK/ES
14	TKPA95001	REMOTE SENSOR PANEL	1	
15	TKRA20501	HANDLE	2	
16	TMKG560	SPONGE T/B	2	TH-37PWD8 SERIES
16	TMKG556	SPONGE T/B	2	TH-42PWD8 SERIES
17	TMKG561	SPONGE L/R	2	TH-37PWD8 SERIES
17	TMKG557	SPONGE L/R	2	TH-42PWD8 SERIES
	TMM15414-2	CLAMPER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TMM17434-2	CLAMPER	1	
	TMM17499	CLAMPER	1	
	TMM25401	CLAMPER	3	
	TMM6463-1	CLAMPER	1	
	TMM6496-1	CLAMPER	1	
	TMM7464-2	CLAMPER	3	TH-37/42PWD8BK/BS/EK/ES
	TMM7464-2	CLAMPER	1	TH-37/42PWD8GK/GS/UK
	TMM7468-1	CLAMPER	1	TH-42PWD8 SERIES
	TMME047	CLAMPER	2	TH-37/42PWD8BK/BS/EK/ES
	TMME047	CLAMPER	5	TH-37/42PWD8GK/GS/UK
	TMME061	CLAMPER	3	
	TMME185	CLAMPER	2	
	TMME187	CLAMPER	2	
	TMME199	CLAMPER	3	
	TMME228	CLAMPER	2	
18	TMME248	CLAMPER POWER SUPPLY COR	1	
	TMMX079	SPACER	4	TH-42PWD8BK/BS/EK/ES
	TMMX095	BRACKET	2	
19	TMWC015	POWER BUTTON BRACKET	1	
20	TPC0E63801	CARTON BOX-TOP	1	TH-37PWD8BK/BS/EK/ES PAVCCZ ⚠
20	TPC0E63901	CARTON BOX-TOP	1	TH-42PWD8BK/BS/EK/ES PAVCCZ ⚠
20	TPCB14058	CARTON BOX-TOP	1	TH-37PWD8GK/GS ⚠
20	TPCB14064	CARTON BOX-TOP	1	TH-37PWD8UK ⚠
20	TPCB40407	CARTON BOX-TOP	1	TH-42PWD8UK ⚠
20	TPCB40408	CARTON BOX-TOP	1	TH-42PWD8GK ⚠
20	TPCB40409	CARTON BOX-TOP	1	TH-42PWD8GS ⚠
21	TPC0E60901	CARTON BOX-BOTTOM	1	TH-37PWD8BK/BS/EK/ES PAVCCZ
21	TPC0E61101	CARTON BOX-BOTTOM	1	TH-42PWD8BK/BS/EK/ES PAVCCZ
21	TPCB14101	CARTON BOX-BOTTOM	1	TH-37PWD8GK/GS/UK
21	TPCA95901A	CARTON BOX-BOTTOM	1	TH-42PWD8GK/GS/UK
22	TPD169487	JOINT	4	TH-37PWD8GK/GS/UK
22	TPD169487	JOINT	8	TH-42PWD8GK/GS/UK
22	TPD169487	JOINT	4	TH-37/42PWD8BK/BS/EK/ES PAVCCZ
23	TPDA0943	CUSHION-TOP	1	TH-37/42PWD8GK/GS/UK
23	TPD0E0099	CUSHION-TOP	1	TH-37/42PWD8BK/BS/EK/ES PAVCCZ
24	TPDA1105	CUSHION-BOTTOM	1	TH-37/42PWD8GK/GS/UK
24	TPD0E0100	CUSHION-BOTTOM	1	TH-37/42PWD8BK/BS/EK/ES PAVCCZ
25	TPDA0675	CUSHION (UPPER LEFT/RIGHT)	2	TH-42PWD8GK/GS/UK
26	TPDA0676	CUSHION (CENTER)	1	TH-42PWD8GK/GS/UK
27	TPDA0794	CUSHION (BOTTOM)	1	TH-42PWD8GK/GS/UK
28	TPDF0745	TOP PAD	1	TH-37PWD8GK/GS/UK
28	TPDF0596	TOP PAD	1	TH-42PWD8GK/GS/UK

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
28	TPD0E9007	TOP PAD	1	TH-37PWD8BK/BS/EK/ES PAVCCZ
28	TPD0E9008	TOP PAD	1	TH-42PWD8BK/BS/EK/ES PAVCCZ
29	TPDF0737	ACCESSORIES BOX	1	TH-37/42PWD8GK/GS/UK
29	TPDF1197	ACCESSORIES BOX	1	TH-37/42PWD8BK/BS/EK/ES PAVCCZ
30	TPDF0905	TOP PAD(UPPER)	1	TH-42PWD8GK/GS/UK
31	TPE0E4010	PROTECT COVER	1	TH-37/42PWD8BK/BS/EK/ES PAVCCZ
31	TPEH007-3	PROTECT COVER	1	TH-37PWD8GK/GS/UK
31	TPEH170	PROTECT COVER	1	TH-42PWD8GK/GS/UK
32	TPGA2150	CARTON BOX (BOTTOM)	1	TH-42PWD8GK/GS/UK
33	TPGA2462	CARTON BOX	1	TH-42PWD8GK/GS/UK
34	TQB0E0217A	INSTRUCTION BOOK(ENGLISH)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217B	INSTRUCTION BOOK(GERMAN)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217C	INSTRUCTION BOOK(ITALY)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217D	INSTRUCTION BOOK(FRANCE)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217E	INSTRUCTION BOOK(SPAIN)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217F	INSTRUCTION BOOK(DUTCH)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217K	INSTRUCTION BOOK(DANISH)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0217U	INSTRUCTION BOOK(SWEDISH)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQB0E0218	INSTRUCTION BOOK(ENGLISH)	1	TH-37/42PWD8EK/ES PAVCCZ ⚠
34	TQBC2023	INSTRUCTION BOOK(ENGLISH)	1	TH-37/42PWD8GK/GS ⚠
34	TQBC2026	INSTRUCTION BOOK(ENGLISH)	1	TH-37/42PWD8UK ⚠
34	TQBC2027	INSTRUCTION BOOK(SPANISH)	1	TH-37/42PWD8UK ⚠
34	TQBC2028	INSTRUCTION BOOK(FRENCH)	1	TH-37/42PWD8UK ⚠
	TQEF035	POLY BAG	1	
35	TSXL469	CABLE (D31-C11/D32-C21)	2	
36	TTUA1193	REAR COVER	1	TH-42PWD8UK ⚠
36	TTUA1194	REAR COVER	1	TH-42PWD8GK ⚠
36	TTUA1195	REAR COVER	1	TH-42PWD8GS ⚠
36	TTUA1203	REAR COVER	1	TH-37PWD8UK ⚠
36	TTUA1204	REAR COVER	1	TH-37PWD8GK ⚠
36	TTUA1205	REAR COVER	1	TH-37PWD8GS ⚠
36	TTUA1230	REAR COVER	1	TH-42PWD8EK PAVCCZ ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
36	TTUA1231	REAR COVER	1	TH-42PWD8ES PAVCCZ ⚠
36	TTUA1232	REAR COVER	1	TH-42PWD8BK PAVCCZ ⚠
36	TTUA1233	REAR COVER	1	TH-42PWD8BS PAVCCZ ⚠
36	TTUA1234	REAR COVER	1	TH-37PWD8EK PAVCCZ ⚠
36	TTUA1235	REAR COVER	1	TH-37PWD8ES PAVCCZ ⚠
36	TTUA1236	REAR COVER	1	TH-37PWD8BK PAVCCZ ⚠
36	TTUA1237	REAR COVER	1	TH-37PWD8BS PAVCCZ ⚠
37	TXFKE010YLS	ESCUTCHEON ASS'Y	1	TH-37PWD8BK/EK/UK/GK ⚠
37	TXFKE010YMS	ESCUTCHEON ASS'Y	1	TH-37PWD8BS/ES/GS ⚠
37	TXFKE010YNS	ESCUTCHEON ASS'Y	1	TH-42PWD8BK/EK/UK/GK ⚠
37	TXFKE010YPS	ESCUTCHEON ASS'Y	1	TH-42PWD8BS/ES/GS ⚠
38	TXFMZ010VASA	STAND POLE BRACKET	2	
	TXJ/SP0YNS	SPEAKER LEAD	1	
	XTB4+10JFJ	SCREW (VESA BRACKET) ROHS	18	TH-37PWD8 SERIES
	XTB4+10JFJ	SCREW (VESA BRACKET) ROHS	19	TH-42PWD8 SERIES
	XTBT964J	SCREW	2	TH-42PWD8 SERIES
	XTV3+10GFJ	SCREW	3	
	XTV3+10JFJ	SCREW	4	TH-37/42PWD8UK
	XTV3+10JFJ	SCREW	2	TH-37/42PWD8BK/BS/EK/ES/GK/GS
	XTW3+8TFJ	SCREW	3	
	XTW4+35DFJ	SCREW	10	TH-37/42PWD8BK/BS/EK/ES
	XYC4+FJ35FJK	SCREW	4	TH-42PWD8BK/BS/EK/ES
	XYC4+FJ35FJK	SCREW	12	TH-37PWD8BK/BS/EK/ES
	XYC4+FJ35FJK	SCREW	16	TH-37/42PWD8GK/GS/UK
	XYN3+C8FJ	SCREW	2	
	XYN3+F8FJ	SCREW	3	
	XYN3+J10FJ	SCREW	1	
	XYN3+J12FJ	SCREW	23	
	XYN3+J8FJ	SCREW ROHS	1	
	XYN4+E8FJ	SCREW(EARTH)	1	
	XYN5+C15FJ	SCREW	6	
	XYN8+F20FJK	SCREW	4	
	XZBT6530	POLY BAG	1	

19. Replacement Parts List

19.1. Replacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal FIlm	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

19.2. Electrical Replacement Parts List (37inch)

Note:

All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by AVC-SPC.

Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	⚠
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1KA04BA0107	4P CONNECTOR	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1KA04BA0107	4P CONNECTOR	1	
C23	K1KA12AA0153	12P CONNECTOR	1	
C801,02	EEVHB1C471	E 470UF, 16V	2	
C804	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C805	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C806	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C807	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C808	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C809	TCUY1C225KBM	C 2.2UF, 16V	1	
C811,12	EEVHB1C471	E 470UF, 16V	2	
C814	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C815	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C816	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C817	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C818	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C819	TCUY1C225KBM	C 2.2UF, 16V	1	
C820	ECJ2XC1H820J	C 82PF, J, 50V	1	
C821	F2H0J102A010	C 1000UF, 6.3V	1	
C822	EEVHB1C471	E 470UF, 16V	1	
C824	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C825	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C826	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C827	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C828	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C829	F1J0J1060004	C 0.010UF, K, 16V	1	
C830	ECJ2XC1H820J	C 82PF, J, 50V	1	
C831	EEEHB1C470P	C 47PF, J, 16V	1	
C832	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C833	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C834	EEEHB1C470P	C 47PF, J, 16V	1	
C835	F1J0J1060004	C 0.010UF, K, 16V	1	
C836	TCUY1C225KBM	C 2.2UF, 16V	1	
C837	F1J0J1060004	C 0.010UF, K, 16V	1	
C838	TCUY1C225KBM	C 2.2UF, 16V	1	
C839	F1J0J1060004	C 0.010UF, K, 16V	1	
C840	TCUY1C225KBM	C 2.2UF, 16V	1	
C841	F1J0J1060004	C 0.010UF, K, 16V	1	
C842	TCUY1C225KBM	C 2.2UF, 16V	1	
C843	F1J0J1060004	C 0.010UF, K, 16V	1	
C844	TCUY1C225KBM	C 2.2UF, 16V	1	
C845	F1J0J1060004	C 0.010UF, K, 16V	1	
C846	TCUY1C225KBM	C 2.2UF, 16V	1	
C847	F1J0J1060004	C 0.010UF, K, 16V	1	
C848	TCUY1C225KBM	C 2.2UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1530	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2350,51	TCUY1C225KBM	C 2.2UF, 16V	2	
C2352,53	EEEHB1H100P	C 10PF, J, 50V	2	
C2354,55	EEEHB1V470P	E 47UF, 35V	2	
C2356,57	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2358,59	EEEHB1H2R2R	C 2.2PF, J, 50V	2	
C2360,61	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C2362,63	EEEHB1E471UP	C 470PF, J, 25V	2	
C2364,65	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,67	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C2368,69	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370,71	EEEHB1V470P	E 47UF, 35V	2	
C2373-75	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C2376,77	ECJ1XC1H150J	C 15PF, J, 50V	2	
C2378-82	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C2383	EEEHB1A101P	C 100PF, J, 10V	1	
C2384	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2385	EEEHB1A101P	C 100PF, J, 10V	1	
C2386,87	EEEHB1H1R0R	C 1.0PF, J, 50V	2	
C2388	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2389	EEEHB1A101P	C 100PF, J, 10V	1	
C2390	EEEHB1H100P	C 10PF, J, 50V	1	
C2391	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2392,93	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C2394	EEEHB1H100P	C 10PF, J, 50V	1	
C2395,96	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2397	EEEHB1A101P	C 100PF, J, 10V	1	
C2398-03	ECJ1XB1C104K	C 0.1UF, Z, 16V	6	
C2404	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2405,06	ECJ1VB0J225K	C 2.2UF, K, 6.3V	2	
C2407,08	F1J0J1060004	C 0.010UF, K, 16V	2	
C2409,10	ECJ1XC1H181J	C 180PF, J, 50V	2	
C2411-13	ECJ3YB1C106M	C 10UF, M,16V	3	
C3001	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C3002	ECJ2XB1E104K	C 0.1UF, K, 25V	1	(HB)
C3002	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3003	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3003	EEEHP1A100R	E 10UF, 10V	1	(HB)
C3004	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3004	EEEHP1A100R	E 10UF, 10V	1	(HB)
C3005	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3005	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3006	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3006	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3007	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3007	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HA)
C3007	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	(J)
C3008	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3008	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HA)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3009	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3009	EEEHB1C470P	C 47PF, J, 16V	1	(HB)
C3010	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3011	EEEHB1C470P	C 47PF, J, 16V	1	(HA)
C3012	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3012	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3012	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HA)
C3013	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3013	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HB)
C3014	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3014	EEEHB1C470P	C 47PF, J, 16V	1	(HB)
C3015	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3015	ECJ1XC1H470J	C 47PF, J, 50V	1	(HB)
C3016	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3016	ECJ1XC1H220J	C 22PF, J, 50V	1	(HB)
C3017	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3017	ECJ1XC1H680J	C 68PF, J, 50V	1	(HB)
C3018	EEEHB0J330R	C 33PF, J, 6.3V	1	(HB)
C3018	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3019	ECJ3YB0J335K	C 33UF, J, 25V	1	(HB)
C3020	TCUY1C225KBM	C 2.2UF, 16V	1	
C3021	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HA)
C3021	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HB)
C3021	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3022	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3022	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HA)
C3022	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3023	EEEHB0J101P	C 100PF, J, 6.3V	1	
C3024	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3026-31	TCUY1C225KBM	C 2.2UF, 16V	6	
C3033	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3040,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3051-54	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3055,56	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3101	TCUY1C225KBM	C 2.2UF, 16V	1	
C3102	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3103	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3103	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3104	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3105	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3105	EEEHB0G221P	C 220PF, J, 4V	1	(HB)
C3106	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3106	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3107	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3108	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3108	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3109,10	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	(HB)
C3110	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3111	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3112	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3113	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3113	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3114	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3115	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3116-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	6	
C3122	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3123-26	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3127	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3128-34	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	(HB)
C3134	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3135	ECJ1VB1C103K	C 0.010UF, K, 16V	1	(HB)
C3135	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3136	ECJ1XC1H330J	C 33PF, J, 50V	1	(HB)
C3136	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3138	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3141	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3142	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3143	TCUY1C225KBM	C 2.2UF, 16V	1	
C3144	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3144	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3145	EEEHB1C470P	C 47PF, J, 16V	1	
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3146	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3147	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3148	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3149	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3150	ECJ1VB1C103K	C 0.010UF, K, 16V	1	(HB)
C3150	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3151	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3152	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3154	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3156	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3157	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3158	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3159	EEEHB0G221P	C 220PF, J, 4V	1	
C3160,61	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3162-66	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3167-78	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3179	EEEHB0G221P	C 220PF, J, 4V	1	
C3180-83	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3185	ECJ1XC1H060D	C 6PF, D, 50V	1	
C3186	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3188	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3200	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3201	F1J0J1060004	C 0.010UF, K, 16V	1	
C3202	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3202	F1J0J1060004	C 0.010UF, K, 16V	1	(J)
C3203-06	ECJ1VF1A105Z	C 1UF, Z, 10V	4	
C3207	EEEHB0G221P	C 220PF, J, 4V	1	
C3208-14	ECJ1VF1A105Z	C 1UF, Z, 10V	7	
C3216,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3253	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3255	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3256	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3257	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3258	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3259	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3260	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3261	EEEHB0G221P	C 220PF, J, 4V	1	
C3262	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3263,64	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3265	EEEHB0G221P	C 220PF, J, 4V	1	
C3266	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3301	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3308	EEEHB0G221P	C 220PF, J, 4V	1	
C3309	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3313	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3316,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3318-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3322,23	EEEHB0G221P	C 220PF, J, 4V	2	
C3324	EEVHB0J101P	E 100UF, 6.3V	1	
C3325	EEEHB1C470P	C 47PF, J, 16V	1	
C3327-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405	EEEHB1C470P	C 47PF, J, 16V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3523	EEEHB1C470P	C 47PF, J, 16V	1	
C3524	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3551	EEEHB1C470P	C 47PF, J, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C6001-03	F2A2D221A022	E 220UF, 200V	3	
C6005	F1L1E4750004	C 4.7UF, 25V	1	
C6007,08	ECA2CM101	E 100UF, 160V	2	
C6009	ECJ2XB1H103K	C 0.01UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6011	F1L2J392A022	C 3900UF, K,6.3V	1	
C6012	F1L2J562A022	C 5600UF, K,6.3V	1	
C6016	F1L2J392A022	C 3900UF, K,6.3V	1	
C6017	F1L2J562A022	C 5600UF, K,6.3V	1	
C6021-30	ECQE2105RKB	P 1UF, 250V	10	
C6031,32	F1L1E4750004	C 4.7UF, 25V	2	
C6034,35	F1L1E4750004	C 4.7UF, 25V	2	
C6037	ECQE2224KF	P 2.2UF, K,250V	1	
C6043,44	F1L1E4750004	C 4.7UF, 25V	2	
C6046	F1L1E4750004	C 4.7UF, 25V	1	
C6047	F2A2D1510004	E 150UF, 200V	1	
C6048	EEUFC1E221	E 220UF, 25V	1	
C6049	F1L1E4750004	C 4.7UF, 25V	1	
C6050,51	TCUY1C105ZFN	C 1UF, 16V	2	
C6053,54	EEUFC1E221	E 220UF, 25V	2	
C6055	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6056	EEUFC1A101	E 100UF, 10V	1	
C6057	F1L1E4750004	C 4.7UF, 25V	1	
C6058	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6060,61	F1K2J471A014	C 470UF, K,6.3V	2	
C6456	ECA2CM101	E 100UF, 160V	1	
C6457	ECA2CHG100	E 10UF, 160V	1	
C6458	F1L1E4750004	C 4.7UF, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462-65	F1L1E4750004	C 4.7UF, 25V	4	
C6466	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6467	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C6468	TCUY1C105ZFN	C 1UF, 16V	1	
C6469	EEUFC1E221	E 220UF, 25V	1	
C6470	ECA1HM221	E 220UF, 50V	1	
C6471	TCUY1C105ZFN	C 1UF, 16V	1	
C6472	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6478	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6479,80	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6490	F1K2J332A014	C 3300UF, K,6.3V	1	
C6491,92	F2A2G100A017	E 100UF, 400V	2	
C6493	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6501-03	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6505	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6507	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6511,12	F1L1E4750004	C 4.7UF, 25V	2	
C6513	ECA2CM101	E 100UF, 160V	1	
C6521	F1L1E4750004	C 4.7UF, 25V	1	
C6523	ECA1VM470	E 47UF, 35V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6524	F1K2J471A014	C 470UF, K,6.3V	1	
C6526	ECA2EHG220	E 22UF, 250V	1	
C6529,30	F1K2J471A014	C 470UF, K,6.3V	2	
C6531,32	F1L1E4750004	C 4.7UF, 25V	2	
C6533,34	F1K2J471A014	C 470UF, K,6.3V	2	
C6541	F1L1E4750004	C 4.7UF, 25V	1	
C6543,44	F1K2J102A014	C 1000PF,	2	
C6546	TCUY1C105ZFN	C 1UF, 16V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6551	ECQE2224KF	P 2.2UF, K,250V	1	
C6571	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6575	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6577	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	
C6587	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6588	TCUY1C105ZFN	C 1UF, 16V	1	
C6589	F1L1E4750004	C 4.7UF, 25V	1	
C6590	TCUY1C105ZFN	C 1UF, 16V	1	
C6591	F1L1E4750004	C 4.7UF, 25V	1	
C6598	ECA1CM220	E 22UF, 16V	1	
C6601-03	F2A2D221A022	E 220UF, 200V	3	
C6607	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6608	ECA1EM471	E 470UF, 25V	1	
C6611	F1L2J392A022	C 3900UF, K,6.3V	1	
C6612	F1L2J562A022	C 5600UF, K,6.3V	1	
C6615	F1L2J562A022	C 5600UF, K,6.3V	1	
C6616	F1L2J392A022	C 3900UF, K,6.3V	1	
C6617	F1L2J562A022	C 5600UF, K,6.3V	1	
C6621-30	ECQE2105RKB	P 1UF, 250V	10	
C6631,32	F1L1E4750004	C 4.7UF, 25V	2	
C6634,35	F1L1E4750004	C 4.7UF, 25V	2	
C6637	F1L1E4750004	C 4.7UF, 25V	1	
C6639	F1L1E4750004	C 4.7UF, 25V	1	
C6647	TCUY1C105ZFN	C 1UF, 16V	1	
C6650	ECQE2224KF	P 2.2UF, K,250V	1	
C6651,52	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6655,56	EEUFC1A101	E 100UF, 10V	2	
C6659,60	F1K2J471A014	C 470UF, K,6.3V	2	
C6901-04	TCUY1C105ZFN	C 1UF, 16V	4	
C6911,12	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6917	ECJ2XB1H221K	C 220PF, K, 50V	1	
C6931	F1L2E1040002	E 1000UF, 25V	1	
C6933	F1L2E1040002	E 1000UF, 25V	1	
C6955-58	TCUY1C105ZFN	C 1UF, 16V	4	
C6971,72	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6977	F1L2E1040002	E 1000UF, 25V	1	
C6979	F1L2E1040002	E 1000UF, 25V	1	
C7101	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7104-06	TCUY1C105ZFN	C 1UF, 16V	3	
C7108-10	TCUY1C105ZFN	C 1UF, 16V	3	
C7135	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7140	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7161	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7163	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7165	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7182	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7186	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7201	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7203-06	TCUY1C105ZFN	C 1UF, 16V	4	
C7208,09	TCUY1C105ZFN	C 1UF, 16V	2	
C7210,11	ECJ1XC1H220J	C 22PF, J, 50V	2	
C7219	TCUY1C105ZFN	C 1UF, 16V	1	
C7222,23	TCUY1C105ZFN	C 1UF, 16V	2	
C7235	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7237	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7239	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7242	TCUY1C105ZFN	C 1UF, 16V	1	
C7253,54	ECJ1XC1H101J	C 100PF, J, 50V	2	
C7266	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7268	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7270	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7272	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7282,83	ECJ1XC1H101J	C 100PF, J, 50V	2	
C8001	EEEHB1C470P	C 47PF, J, 16V	1	
C8003	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C8005	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8009	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8023	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8025	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8027	TCUY1C225KBM	C 2.2UF, 16V	1	
C8029	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8030	EEEHB1C470P	C 47PF, J, 16V	1	
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8038	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C8045	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C8049	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8071	EEEHB1C470P	C 47PF, J, 16V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8080-83	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEEHB1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8102,03	EEEHB1C470P	C 47PF, J, 16V	2	
C8105,06	EEEHB1C470P	C 47PF, J, 16V	2	
C8107	EEVHB1C471	E 470UF, 16V	1	
C8108,09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8111-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C8114	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C8115	EEEHB1C470P	C 47PF, J, 16V	1	
C8116	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8120	EEEHB1C470P	C 47PF, J, 16V	1	
C8121	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8122	EEEHB1C470P	C 47PF, J, 16V	1	
C8123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8181,82	ECJ1XC1H150J	C 15PF, J, 50V	2	
C8183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEEHB1C470P	C 47PF, J, 16V	1	
C9001,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9003	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9004	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C9006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9007-09	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C9010	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9011-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9016	F1J0J106A013	C 0.010UF, K, 16V	1	
C9017	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9019	F1J0J106A013	C 0.010UF, K, 16V	1	
C9020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9031	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9101-05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9107,08	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9151-54	TCUY1C105ZFN	C 1UF, 16V	4	
C9155	EEEHB1C470P	C 47PF, J, 16V	1	
C9156	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9201	EEEHB1C470P	C 47PF, J, 16V	1	
C9202-13	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9214	EEEHB1C470P	C 47PF, J, 16V	1	
C9215-22	ECJ1XB1C104K	C 0.1UF, Z, 16V	8	
C9234	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9235,36	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9241	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9301	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9302	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9303	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9304	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9305	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9306	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9502	F1J0J106A013	C 0.010UF, K, 16V	1	
C9503,04	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9505	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9506	ECJ1XC1H080D	C 8PF, D, 50V	1	
C9521-32	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9533	EEEHB0G221P	C 220PF, J, 4V	1	
C9541-52	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9553	EEEHB0G221P	C 220PF, J, 4V	1	
C9561	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9562	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9602	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9604	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9606	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9608	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9610	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9612	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9614	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9616	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9618	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9620	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9622	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9624	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9626	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9628	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9630	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9632	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9634	EEEHB0G221P	C 220PF, J, 4V	1	
C9635	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9637	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9639	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9641	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9643	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9645	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9647	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9649	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9651	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9653	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9655	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9657	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9659	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9661	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9663	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9665	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9667	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9669	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9670	EEEHB0G221P	C 220PF, J, 4V	1	
C9671,72	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9676	ECJ1VC1H080D	C 8PF, C, 50V	1	
C9682,83	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9691	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9692	F1J0J106A013	C 0.010UF, K, 16V	1	
C9693	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9694	F1J0J106A013	C 0.010UF, K, 16V	1	
C9696	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9701-11	ECJ1XB1C104K	C 0.1UF, Z, 16V	11	
C9712	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9713	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9715-18	TCUY1C105ZFN	C 1UF, 16V	4	
C9721-23	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9724	ECJ1VC1H270J	C 27PF, J, 50V	1	
C9725	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9726	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9733	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9734	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9735	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9736,37	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9738	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9741	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9745	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9746	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9747-49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9750	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9761	EEEHB1C470P	C 47PF, J, 16V	1	
C9762	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9763	EEEHB1C470P	C 47PF, J, 16V	1	
C9764	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9766	EEEHB1C470P	C 47PF, J, 16V	1	
C9767	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9951	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9952	F2H1E221A007	E 2.2UF, 25V	1	
C9955	EEEHB0G221P	C 220PF, J, 4V	1	
C9957	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9959	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9961	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C9963	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9964	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9965	F2H1E221A007	E 2.2UF, 25V	1	
C9969	ECGRL0G680R	C 68PF, J, 4V	1	
C9970	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9974	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C9975	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9981	EEEHB1C470P	C 47PF, J, 16V	1	
C9982	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9983	EEEHB0G221P	C 220PF, J, 4V	1	
C9984	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9985	F1J0J106A013	C 0.010UF, K, 16V	1	
C9986	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9988	**F1J0J106A013**	**C 0.010UF, K, 16V**	**1**	
C9989	**ECJ1XF1C104Z**	**C 0.1UF, Z, 16V**	**1**	
C9991	**ECJ1XF1C104Z**	**C 0.1UF, Z, 16V**	**1**	
C9992	**EEEHB1C470P**	**C 47PF, J, 16V**	**1**	
C9993	**ECJ1XF1C104Z**	**C 0.1UF, Z, 16V**	**1**	
C9994	**F1J0J106A013**	**C 0.010UF, K, 16V**	**1**	
CB1-B7	**K1MN68BA0002**	**68P CONNECTOR**	**7**	
D1	**K1KA20AA0335**	**20P CONNECTOR**	**1**	
D3	**K1KA40AA0009**	**40P CONNECTOR**	**1**	
D4	**K1KA14A00248**	**14P CONNECTOR**	**1**	
D5	**K1KA31A00007**	**31P CONNECTOR**	**1**	
D10	**K1KA12AA0105**	**12P CONNECTOR**	**1**	
D20	**K1KA20AA0008**	**20P CONNECTOR**	**1**	
D25	**K1KA20AA0009**	**20P CONNECTOR**	**1**	
D31,32	**K1MN55BA0094**	**55P CONNECTOR**	**2**	
D801	**B0JCPD000026**	**DIODE**	**1**	
D802,03	**B0JCME000037**	**DIODE**	**2**	
D1550	**LNJ107W5PRW**	**LED**	**1**	
D1551	**MA8033L**	**ZENER DIODE**	**1**	
D1554	**MA8033L**	**ZENER DIODE**	**1**	
D2301-03	**B0JCME000037**	**DIODE**	**3**	
D3001	**MA111**	**DIODE**	**1**	**(J)**
D3001	**MA729**	**DIODE**	**1**	**(HB)**
D3002	**MA3100M**	**ZENER DIODE**	**1**	
D3003	**MA111**	**DIODE**	**1**	
D3005	**LNJ206R5ARA**	**LED**	**1**	
D3007,08	**MA111**	**DIODE**	**2**	
D3061	**MA728**	**DIODE**	**1**	
D3501-04	**MA3056M**	**ZENER DIODE**	**4**	
D3507-10	**MA8160H**	**ZENER DIODE**	**4**	
D6001,02	**B0HBSN000008**	**DIODE**	**2**	
D6015	**B0ECHP000003**	**DIODE**	**1**	
D6020	**B0HBSN000008**	**DIODE**	**1**	
D6021	**B0ECHP000003**	**DIODE**	**1**	
D6022	**B0HBSN000008**	**DIODE**	**1**	
D6023	**B0ECHP000003**	**DIODE**	**1**	
D6024	**B0HBSN000008**	**DIODE**	**1**	
D6029	**B0HBSN000008**	**DIODE**	**1**	
D6035	**MA8033L**	**ZENER DIODE**	**1**	
D6036	**MA111**	**DIODE**	**1**	
D6040,41	**B0ECHP000003**	**DIODE**	**2**	
D6051	**B0ECHP000003**	**DIODE**	**1**	
D6052,53	**B0JCME000037**	**DIODE**	**2**	
D6054	**B0ECHP000003**	**DIODE**	**1**	
D6055	**B0JCME000037**	**DIODE**	**1**	
D6057	**B0ECHP000003**	**DIODE**	**1**	
D6058,59	**MA111**	**DIODE**	**2**	
D6062	**MA111**	**DIODE**	**1**	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6063	MA8051L	ZENER DIODE	1	
D6064	MA111	DIODE	1	
D6065	LNJ301MPUJA	LED	1	
D6066,67	MA8330M	ZENER DIODE	2	
D6451	B0JCME000037	DIODE	1	
D6452,53	MA111	DIODE	2	
D6455	MA111	DIODE	1	
D6456	B0ECHP000003	DIODE	1	
D6459	MA111	DIODE	1	
D6460,61	B0HCKS000002	DIODE	2	
D6462	B0JCME000037	DIODE	1	
D6463	MA8056H	ZENER DIODE	1	
D6464	B0JCME000037	DIODE	1	
D6465,66	MA8330M	ZENER DIODE	2	
D6467	B0ECHP000003	DIODE	1	
D6468	MA111	DIODE	1	
D6470,71	MA111	DIODE	2	
D6473	MA111	DIODE	1	
D6475	MA111	DIODE	1	
D6476	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6479	MA111	DIODE	1	
D6481,82	MA8330M	ZENER DIODE	2	
D6483-90	MA8056H	ZENER DIODE	8	
D6491,92	B0ECHP000003	DIODE	2	
D6495	B0HCKS000002	DIODE	1	
D6496	B0JCME000037	DIODE	1	
D6501,02	MA111	DIODE	2	
D6503	MA8056H	ZENER DIODE	1	
D6509	MA111	DIODE	1	
D6511	B0HCMM000014	DIODE	1	
D6512-14	MA111	DIODE	3	
D6515	MA8240M	ZENER DIODE	1	
D6516	MA111	DIODE	1	
D6519	MA111	DIODE	1	
D6520	B0JCKG000002	DIODE	1	
D6521	B0ECHP000003	DIODE	1	
D6522	MA111	DIODE	1	
D6523	B0ECHP000003	DIODE	1	
D6524	MA8051L	ZENER DIODE	1	
D6525	MA111	DIODE	1	
D6526	B0HCMM000014	DIODE	1	
D6527	MA111	DIODE	1	
D6529	B0JCME000037	DIODE	1	
D6541	B0HCKS000002	DIODE	1	
D6542	MA111	DIODE	1	
D6543	B0HCKS000002	DIODE	1	
D6544	MA111	DIODE	1	
D6545	MA8051L	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6546-48	MA8330M	ZENER DIODE	3	
D6549,50	MA111	DIODE	2	
D6551	B0JCME000037	DIODE	1	
D6552,53	MA111	DIODE	2	
D6554	B0HCKS000002	DIODE	1	
D6570	B0HCMM000014	DIODE	1	
D6572	B0ECHP000003	DIODE	1	
D6582	MA8051L	ZENER DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MA111	DIODE	1	
D6585,86	MA8330M	ZENER DIODE	2	
D6601,02	B0HBSN000008	DIODE	2	
D6615	B0ECHP000003	DIODE	1	
D6620	B0HBSN000008	DIODE	1	
D6621	B0ECHP000003	DIODE	1	
D6622	B0HBSN000008	DIODE	1	
D6623	B0ECHP000003	DIODE	1	
D6624	B0HBSN000008	DIODE	1	
D6629	B0HBSN000008	DIODE	1	
D6635	MA8033L	ZENER DIODE	1	
D6636	MA111	DIODE	1	
D6640	B0ECHP000003	DIODE	1	
D6647	B0ECHP000003	DIODE	1	
D6901-03	MA8056H	ZENER DIODE	3	
D6905	B0ECHP000003	DIODE	1	
D6909,10	B0ECHP000003	DIODE	2	
D6956,57	MA8056H	ZENER DIODE	2	
D6961,62	B0ECHP000003	DIODE	2	
D8001	MA111	DIODE	1	
D8003	MA111	DIODE	1	
D8010,11	MA153	DIODE	2	
D8180	MA111	DIODE	1	
D8181	MA8056-M	DIODE	1	
D8183	MA8033L	ZENER DIODE	1	
D8184,85	MA8056-M	DIODE	2	
D8200	MA3150M	ZENER DIODE	1	
D8201	MA111	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA111	DIODE	1	
D9301,02	MA152K	DIODE	2	
D9702-05	MA3033	ZENER DIODE	4	
D9707	MA728	DIODE	1	
D9711-13	MA152K	DIODE	3	
D9715	MA728	DIODE	1	
D9721	MA3036H	ZENER DIODE	1	
D9731	MA728	DIODE	1	
D9732-35	MA152K	DIODE	4	
D9951,52	B0JCPE000004	DIODE	2	
FL3000-03	F1J1E1040022	LC FILTER	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
FL3006-10	F1J1E1040022	LC FILTER	5	
FL7106	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL9001	J0MAB0000175	LC FILTER	1	
FL9601-03	F1J1E1040022	LC FILTER	3	
FL9701-03	F1J1E1040022	LC FILTER	3	
FL9705-09	F1J1E1040022	LC FILTER	5	
H0	K1KA08AA0150	8P CONNECTOR	1	
H1	K1KA80B00037	80P CONNECTOR	1	(HA)
H1	K1KA80B00037	80P CONNECTOR	1	(HB)
H37	K1KA03AA0190	3P CONNECTOR	1	
HX1	K1KB22A00036	22P CONNECTOR	1	
IC801-03	C0DBAMH00013	IC	3	
IC804	C0CBCAC00275	IC	1	
IC2301,02	C1BA00000383	IC	2	
IC2303	C1BB00001006	IC	1	
IC2305	C0ABBA000168	IC	1	
IC3001	C0JBAR000419	IC	1	(HB)
IC3001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	(J)
IC3002	C0ABGB000001	IC	1	(HB)
IC3002	C0JBBR000002	IC	1	(J)
IC3002	C3EAGC000027	IC	1	(HA)
IC3003	C0ABGB000001	IC	1	(HB)
IC3003	CXA1315M	LINEAR IC	1	(J)
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00002311	IC	1	
IC3007,08	C0JBAS000215	IC	2	
IC3101	C0DBEZG00018	IC	1	(HB)
IC3101	C1AB00002238	IC	1	(J)
IC3102	C0DBZLB00003	IC	1	
IC3103	C1AB00002158	IC	1	
IC3104	PST9128NR	IC (LOGIC)	1	
IC3105	C0JBAZ002269	IC	1	
IC3150	C0JBAA000419	IC	1	
IC3201	C3HBKZ000002	IC	1	
IC3251	C0ZBZ0000967	IC	1	
IC3301	MM1065ZMR	LINEAR IC	1	
IC3302	C0DBEZG00018	IC	1	
IC3303	AN80L25RMS	IC	1	
IC3304	C0JBAZ002344	IC	1	
IC3305	JLC1562BF	MOS IC (MICON LSI)	1	
IC3502	TVRN649	IC	1	
IC3699	C3EBGC000065	IC	1	
IC6001-03	C0ZBZ0000895	IC	3	
IC6004	C0ZBZ0001033	IC	1	
IC6005	NJM2903M	INTEGRATED CIRCUIT	1	
IC6006	C0JBAZ000005	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6011	AN1431M	LINEAR IC	1	
IC6451	AN1431M	LINEAR IC	1	
IC6452,53	C0CBALC00010	IC	2	
IC6454,55	C0CBADC00075	IC	2	
IC6456	AN1431M	LINEAR IC	1	
IC6471,72	AN1431M	LINEAR IC	2	
IC6491	AN1431M	LINEAR IC	1	
IC6501,02	C0JBAZ000994	IC	2	
IC6511	C0ZBZ0001033	IC	1	
IC6512	C0CBADC00075	IC	1	
IC6521	C0ZBZ0001033	IC	1	
IC6541,42	C0ZBZ0001033	IC	2	
IC6543	C0CBADC00075	IC	1	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601,02	C0ZBZ0000895	IC	2	
IC6605,06	C0JBAZ000005	IC	2	
IC6607	C0JBAA000174	IC	1	
IC6901-04	AN16021A-VT	IC	4	
IC6955-58	AN16021A-VT	IC	4	
IC7101	C0JBAZ001120	IC	1	
IC7104-06	C0JBAZ001120	IC	3	
IC7201-04	C0JBAZ001120	IC	4	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8003	C1AA00000706	IC	1	
IC8005	C0JBAB000646	IC	1	
IC8007	C0JBAR000419	IC	1	
IC8009	C0JBAS000215	IC	1	
IC8014	C0ZBZ0000911	IC	1	
IC8016	C0JBAZ001934	IC	1	
IC8100	C0CBAKG00008	IC	1	
IC8181	C1DB00001208	IC	1	
IC9001	C0FBAD000102	IC	1	
IC9002	C0CBCBC00190	IC	1	
IC9031	C0JBAZ002198	IC	1	
IC9101	C0ZBZ0000764	IC	1	
IC9102	C0JBAZ002198	IC	1	
IC9103	C0JBAE000354	IC	1	
IC9151-54	C0JBAZ000856	IC	4	
IC9201	C1ZBZ0002917	IC	1	
IC9202	C0EBD0000038	IC	1	
IC9203	TVRN628	IC	1	
IC9303	TVRN627	IC	1	
IC9500	C1ZBZ0002769	IC	1	
IC9601	MN84513-A	IC	1	
IC9602,03	C3ABPJ000071	IC	2	
IC9605	PST9128NR	IC (LOGIC)	1	
IC9701	MN102H90MPD	IC	1	
IC9702	TVRN500	IC	1	
IC9703	TVRN631	IC	1	TH-37PWD8GK/GS/UK

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9703	TVRN632	IC	1	TH-37PWD8BK/BS/EK/ES PAVCCZ
IC9704	C0EBE0000447	IC	1	
IC9711	C0JBAE000354	IC	1	
IC9713	C0JBAS000215	IC	1	
IC9714	C0JBAZ000856	IC	1	
IC9715	C0JBAE000354	IC	1	
IC9951	C0DBAMH00013	IC	1	
IC9952	C0DBAMH00014	IC	1	
IC9953	C0DBEJG00001	IC	1	
IC9954	C0DBEGE00002	IC	1	
IC9955	C0CBCAC00282	IC	1	
J1	K1KA20AA0335	20P CONNECTOR	1	
J2	K1KA06BA0047	6P CONNECTOR	1	
J3	K1KA40AA0009	40P CONNECTOR	1	
J4	K1KA11BA0051	11P CONNECTOR	1	
J5	K1KA21B00008	21P CONNECTOR	1	
J6	K1KA21B00009	21P CONNECTOR	1	
J7,J8	K1KA03BA0055	3P CONNECTOR	2	
J10	K1KA06BA0050	6P CONNECTOR	1	
J11,12	K1KB80B00024	80P CONNECTOR	2	
J14	K1KA22A00067	22P CONNECTOR	1	
J15	K1KA03BA0047	3P CONNECTOR	1	
JK3001	K1CB106B0027	CONNECTOR	1	(HB)
JK3001	K1QBB3BB0002	CONNECTOR	1	(HA)
JK3002	K1QBB2AB0005	CONNECTOR	1	(HB)
JK3002	K2HA204B0097	JACK	1	(HA)
JK3004	K2HA204B0097	JACK	1	
JK3509	K1FB109BA018	CONNECTOR	1	
JK3511	K1FB115BA020	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	1	
JS801-16	ERJ6GEY0R00	M 0 OHM, 1/10W	16	
JS3001-08	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
JS3011-16	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3301-06	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3308-10	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS8094-97	J0JCC0000100	CHIP INDUCTOR	4	
L801	G1C470MA0078	INDUCTOR COIL	1	
L802	G1C101MA0078	INDUCTION COIL	1	
L803	G1C220MA0078	INDUCTION COIL	1	
L804-11	J0JHC0000078	CHIP INDUCTOR	8	
L1501-08	J0JHC0000078	CHIP INDUCTOR	8	
L2330,31	G0A221ZA0041	CHOKE COIL	2	
L3001	J0HABB000003	LC FILTER	1	(HB)
L3001	J0HABB000004	LC FILTER	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3002	G1C100K00020	INDUCTION COIL	1	(J)
L3002	J0HABB000004	LC FILTER	1	(HA)
L3002	J0HABB000004	LC FILTER	1	(HB)
L3003	G1C100K00020	INDUCTION COIL	1	(J)
L3003	J0HABB000004	LC FILTER	1	(HA)
L3003	J0HABB000004	LC FILTER	1	(HB)
L3004	J0HABB000003	LC FILTER	1	
L3005	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
L3005	G1C100K00020	INDUCTION COIL	1	(J)
L3005	J0HABB000003	LC FILTER	1	(HA)
L3006	ELJPA100KB	CHIP INDUCTOR	1	(HA)
L3006	G1C100K00020	INDUCTION COIL	1	(J)
L3006	J0E8004B0008	LC FILTER	1	(HB)
L3007	G1C2R2K00006	INDUCTION COIL	1	
L3050	G1C100K00020	INDUCTION COIL	1	
L3051,52	ELJNA1R5JF	INDUCTION COIL	2	
L3102-04	ELJPA100KB	CHIP INDUCTOR	3	
L3140	J0JHC0000078	CHIP INDUCTOR	1	
L3201	ELJPA100KB	CHIP INDUCTOR	1	
L3251,52	ELJPA2R2MF	CHIP INDUCTOR	2	
L3305-08	ELKE103FA	NOISE FILTER	4	
L3507-09	J0HABB000004	LC FILTER	3	
L3510-17	TLK212T256AL	EMI FILTER	8	
L3526	ELJPA100KB	CHIP INDUCTOR	1	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L6002-04	G0ZZ00002183	PEAKING COIL	3	
L6005	G0C101K00023	PEAKING COIL	1	
L6011-13	G0AR60MA0003	CHOKE COIL	3	
L6014	G0A1R0MA0003	CHOKE COIL	1	
L6016	G0A1R0MA0003	CHOKE COIL	1	
L6017,18	J0JJC0000021	CHIP INDUCTOR	2	
L6019	G0ZZ00002183	PEAKING COIL	1	
L6022	J0JJC0000021	CHIP INDUCTOR	1	
L6024-27	G0ZZ00002183	PEAKING COIL	4	
L6034-37	G0ZZ00002183	PEAKING COIL	4	
L6042,43	J0JJC0000021	CHIP INDUCTOR	2	
L6047	J0JJC0000021	CHIP INDUCTOR	1	
L6050	G0ZZ00002183	PEAKING COIL	1	
L6451	J0JJC0000021	CHIP INDUCTOR	1	
L6453	J0JJC0000021	CHIP INDUCTOR	1	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6602	G0ZZ00002183	PEAKING COIL	1	
L6604,05	G0ZZ00002183	PEAKING COIL	2	
L6611-13	G0AR60MA0003	CHOKE COIL	3	
L6614	G0A1R0MA0003	CHOKE COIL	1	
L6616	G0A1R0MA0003	CHOKE COIL	1	
L6618	J0JJC0000021	CHIP INDUCTOR	1	
L6624-27	G0ZZ00002183	PEAKING COIL	4	
L6634-37	G0ZZ00002183	PEAKING COIL	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6647	J0JJC0000021	CHIP INDUCTOR	1	
L8001	G1C100K00020	INDUCTION COIL	1	
L8003	G1C100K00020	INDUCTION COIL	1	
L8005	G1C100K00020	INDUCTION COIL	1	
L8101-08	J0JHC0000078	CHIP INDUCTOR	8	
L8181	G1C100K00020	INDUCTION COIL	1	
L8501,02	G0A2R5H00003	CHOKE COIL	2	
L9204-06	J0JHC0000096	CHIP INDUCTOR	3	
L9501	G1C150KA0038	INDUCTION COIL	1	
L9951,52	G1C150MA0169	INDUCTION COIL	2	
LL6605	G0ZZ00002183	PEAKING COIL	1	
PC6458	B3PBA0000223	DIODE	1	
PC6467	B3PBA0000223	DIODE	1	
PC6469	B3PBA0000223	DIODE	1	
PC6474	B3PBA0000223	DIODE	1	
PC6480	B3PBA0000223	DIODE	1	
PC6503	B3PBA0000233	IC	1	
PC6505	B3PBA0000233	IC	1	
PC6507	B3PBA0000233	IC	1	
PC6509,10	B3PBA0000234	IC	2	
PC6517	B3PBA0000223	DIODE	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2300	B1BBCF000028	TRANSISTOR	1	
Q2331	B1BBCF000028	TRANSISTOR	1	
Q2333,34	2SD601A	TRANSISTOR	2	
Q2370,71	2SB709A	TRANSISTOR	2	
Q2372	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	(J)
Q3001	2SD601A	TRANSISTOR	1	(HA)
Q3001	2SD601A	TRANSISTOR	1	(HB)
Q3002	2SD601A	TRANSISTOR	1	(HA)
Q3002	2SD601A	TRANSISTOR	1	(HB)
Q3003	2SD601A	TRANSISTOR	1	(HB)
Q3003,04	2SD601A	TRANSISTOR	2	(J)
Q3005	2SD601A	TRANSISTOR	1	
Q3006,07	2SB709A	TRANSISTOR	2	
Q3023	2SD601A	TRANSISTOR	1	
Q3051,52	2SD601A	TRANSISTOR	2	
Q3101	2SB709A	TRANSISTOR	1	(HB)
Q3101	2SD601A	TRANSISTOR	1	(J)
Q3102	2SD1030	TRANSISTOR	1	(HB)
Q3102,03	2SD601A	TRANSISTOR	2	(J)
Q3104	2SD1030	TRANSISTOR	1	
Q3531,32	2SD601A	TRANSISTOR	2	
Q6001-03	B1JADN000001	TRANSISTOR	3	
Q6006-08	B1JADN000001	TRANSISTOR	3	
Q6011	2SD2185	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6012	2SB1073001TV	TRANSISTOR	1	
Q6013	2SD2185	TRANSISTOR	1	
Q6014	2SB1073001TV	TRANSISTOR	1	
Q6021	2SK3996000VP	FET	1	
Q6024	2SK3996000VP	FET	1	
Q6025	2SK620	FET	1	
Q6041,42	2SK373100L	TRANSISTOR	2	
Q6045	2SK326800L	FET	1	
Q6046	2SK373100L	TRANSISTOR	1	
Q6051	2SD1263A	TRANSISTOR	1	
Q6052	2SC1473A	TRANSISTOR	1	
Q6056	2SD601A	TRANSISTOR	1	
Q6451	2SD1263A	TRANSISTOR	1	
Q6454	2SC1473A	TRANSISTOR	1	
Q6461	B1BBCJ000004	TRANSISTOR	1	
Q6462	2SB0709A	TRANSISTOR	1	
Q6463	2SD601A	TRANSISTOR	1	
Q6471	B1BBCJ000004	TRANSISTOR	1	
Q6472	2SB0709A	TRANSISTOR	1	
Q6474	2SD814A	TRANSISTOR	1	
Q6476,77	2SD601A	TRANSISTOR	2	
Q6491	2SD1263A	TRANSISTOR	1	
Q6492	2SC1473A	TRANSISTOR	1	
Q6501-05	2SK620	FET	5	
Q6511,12	B1DFGL000008	TRANSISTOR	2	
Q6520	2SD601A	TRANSISTOR	1	
Q6521	B1DFES000002	TRANSISTOR	1	
Q6522-28	2SK400000L	FET	7	
Q6530	2SB1073001TV	TRANSISTOR	1	
Q6541	2SB1073001TV	TRANSISTOR	1	
Q6542	2SK399500L	FET	1	
Q6544-46	2SK399500L	FET	3	
Q6548	2SK399500L	FET	1	
Q6551	2SD601A	TRANSISTOR	1	
Q6552	B1DEET000002	TRANSISTOR	1	
Q6553	2SB1073001TV	TRANSISTOR	1	
Q6554	2SD2185	TRANSISTOR	1	
Q6555	B1DFES000002	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6583,84	2SK620	FET	2	
Q6601-03	B1JADN000001	TRANSISTOR	3	
Q6606-08	B1JADN000001	TRANSISTOR	3	
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6621	2SK3996000VP	FET	1	
Q6624	2SK3996000VP	FET	1	
Q6901	2SK620	FET	1	
Q8002	2SD601A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q8019	2SD601A	TRANSISTOR	1	
Q8181-84	2SK2731T146	TRANSISTOR	4	
Q8200-02	2SD601A	TRANSISTOR	3	
Q9201,02	2SD601A	TRANSISTOR	2	
Q9301-03	2SD601A	TRANSISTOR	3	
Q9701	2SK2731T146	TRANSISTOR	1	
Q9702-07	2SD601A	TRANSISTOR	6	
Q9708	2SK2731T146	TRANSISTOR	1	
Q9709-12	2SD601A	TRANSISTOR	4	
Q9951-53	2SD601A	TRANSISTOR	3	
R801	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R802	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R803	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R804	ERJ3GEYJ394	M 390KOHM,J,1/16W	1	
R805	ERJ3EKF8452	M84.5KOHM, 1/16W	1	
R806	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R808,09	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R810	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R811	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R812	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R813	ERJ3EKF4222	M42.2KOHM, 1/16W	1	
R814	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R815	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R816,17	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R818	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R819	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R820	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R821	ERJ3EKF2432	M24.3KOHM, 1/16W	1	
R822	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R823	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R824	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R825-27	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	3	
R1500	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3GEYF472	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYF822	M 8.2KOHM,J,1/16W	1	
R1550	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J,1/2W	6	
R2365	ERX1FJSR56D	M0.56 OHM, J, 1W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2367	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2368,69	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2370	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R2371,72	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2373	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2374	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R2376	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2377	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2383	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2384	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2385	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2386	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2387	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2388	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2389-92	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2393	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R2394-96	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R2397	ERJ6GEYJ512	M 5.1KOHM,J,1/10W	1	
R2398	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2399,00	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2404-07	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2408-11	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R2412	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2413	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2414	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R2415	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2417	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R2418,19	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R2420	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2421,22	ERJ3GEYJ183	M 18KOHM,J,1/16W	2	
R2423	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3001	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3002	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3003	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3003	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3004	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3004	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3004	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HA)
R3005	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J)
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3005	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HA)
R3006	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3006	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J)
R3006	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3007	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3007	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	(HB)
R3007	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3009,10	D0GB101JA002	M 100 OHM,J,1/16W	2	
R3011	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3012	D0GB333JA002	M 33KOHM,J,1/16W	1	
R3013	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3014	D0GB333JA002	M 33KOHM,J,1/16W	1	
R3015	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3015	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3015	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3016	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3016	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3017	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3017	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3017	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3018	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3018	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3018	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3019	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3019	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3020	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3020	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3021	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3021	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3022	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HA)
R3022	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3022	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3023	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3023	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HA)
R3023	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HB)
R3024	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3024	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3025	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3025	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3025	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3026	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3027	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3027,28	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	(J)
R3028	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3029	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HB)
R3029	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3030	ERJ3EKF3900	M 390 0HM, 1/16W	1	(HB)
R3030	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3031	ERJ3EKF4700	M 470 OHM, 1/16W	1	(HB)
R3031	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3032	ERJ3EKF1200	M 120 OHM, 1/16W	1	(HB)
R3032,33	J0JCC0000100	CHIP INDUCTOR	2	(J)
R3033	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3034	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3035	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3035	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3036	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3036	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3036	ERJ6ENF1800	M 180 OHM, 1/10W	1	(HB)
R3037	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HB)
R3037	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3037	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3038	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	(HB)
R3038	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3039	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3040	ERJ3EKF3300	M 330 OHM, 1/16W	1	(HB)
R3040	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3041	ERJ3EKF1800	M 180 OHM, 1/16W	1	(HB)
R3041	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3041	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HA)
R3042	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	(HB)
R3042	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HA)
R3042	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3043	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3043	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3044	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3044	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3045	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3046	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3046	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3047	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3047	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3048	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3048	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3049	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3049	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3050	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3051	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3051	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3052	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3052	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3053	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3053	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3054	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3054	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3055	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3055	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3056	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3056	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3057	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3057	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3058	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3058	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3059,60	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	(J)
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3061	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3061	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3062	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3062	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	(J)
R3063	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3064	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3065	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HB)
R3065,66	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	(J)
R3070-72	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3076-81	ERJ6GEYJ560	M 56 OHM,J,1/10W	6	
R3082	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3101	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3101	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3102	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3102,03	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3104	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3104,05	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3106	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3107	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R3108	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3112,13	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3114	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3115	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3116	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3116	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HB)
R3117	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3117	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	(J)
R3119	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3120	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3121	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3122	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R3123	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R3124	ERJ3EKF10R0	M 10 OHM, 1/16W	1	
R3125	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3125	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	(J)
R3126	J0JCC0000100	CHIP INDUCTOR	1	
R3127	ERJ6ENF12R0	M 12 OHM, 1/10W	1	
R3128,29	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3129	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HB)
R3130	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R3131	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3133	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3134	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R3135	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3136-39	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3140	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3140	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3141	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3141	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3142	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3143	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3144	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3148	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3149	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R3150,51	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	(J)
R3151	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3152	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3154,55	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R3156	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3157	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3158	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R3159	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3160	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3160	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3161	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3161	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3162,02	ERJ3EKF2701	M 2.7KOHM, 1/16W	2	
R3163	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3164-67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3168	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R3169-72	ERJ6ENF75R0	M 75 OHM, 1/10W	4	
R3173	ERJ3EKF2200	M 220 OHM, 1/16W	1	
R3174	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3177	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3178	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3179	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3180	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3181	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3182	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3183	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3184	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3185	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3188	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R3189	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3189,90	ERJ6ENF39R0	M 39 OHM, 1/10W	2	(J)
R3192,93	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3194,02	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3195,96	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3197,98	ERJ3GEYJ123	M 12KOHM,J,1/16W	2	
R3210,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3212-15	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	4	
R3230,31	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3251	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R3252	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3253	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3254,55	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3300,01	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3302	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3303,04	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3305	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3307	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3308,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3313	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3314,15	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3319	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3337,38	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3400	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3508,09	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3510,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3529,30	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3547,48	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3585,86	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3663,64	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3776,77	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3790,91	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6001	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6002-05	ERJ6GEYJ151	M 150 OHM,J,1/10W	4	
R6006,07	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6008,09	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6011-16	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6019-22	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6023	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6024	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6025	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6026	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6027,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6029-31	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R6033	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6034,35	ERJ14YJ150U	M 15 OHM, J,1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6041,42	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6049,50	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6055	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6056	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6057	ERG1FJS470D	M 47 OHM, J, 1W	1	
R6059,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6061	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6062,63	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6067	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6068	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6069,70	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R6073	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6074	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6076	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6077,78	ERX3FJSR22D	M 2.2 OHM, J, 3W	2	
R6079,80	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6081	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6082,83	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6084	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6085,86	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6087	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6088	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6089	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6092	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6101	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R6102	EXB38V470J	RESISTOR ARRAY	1	
R6104	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R6105	EXB38V472J	RESISTOR ARRAY	1	
R6107	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R6110	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R6118,19	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6120	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6121	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6123	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6124	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6125	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6126	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6431	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6433	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6439,40	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6450	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R6451	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6452	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R6453	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6454,55	ERJ14YJ103	M 10KOHM, J,1/4W	2	
R6456	ERJ6ENF1183	M 118KOHM, 1/10W	1	
R6457,58	ERJ6ENF2551	M2.55KOHM, 1/10W	2	
R6459	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6460	ERJ14YJ203U	M 20KOHM, 1/2W	1	
R6461	ERG1FJS471D	M 470 OHM, J, 1W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6463	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6464	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6465	ERX3FJS8R2D	M 8.2 OHM, J, 3W	1	
R6466	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6467	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6469	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R6471	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6472	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6473	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R6474	ERG1FJS121D	M 120 OHM, J, 1W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6476	ERJ6ENF2743	M 274KOHM, 1/10W	1	
R6478	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6480	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6481	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6482	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6483	ERJ14YJ752	M 75KOHM, J,1/4W	1	
R6484	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6491	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6492	ERJ6ENF2003	M 200KOHM, 1/10W	1	
R6493	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R6495,96	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498,99	ERX1FJS8R2D	M 8.2 OHM, J, 1W	2	
R6500	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6510	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6511	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6512	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6513	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6514	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6515	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6516	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6518	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6519	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6520	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6524	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J,1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6529-36	ERJ6GEYJ470	M 47 OHM,J,1/10W	8	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6538	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6539	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6540	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6541	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6542	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6544-46	ERJ6GEYJ100	M 10 OHM,J,1/10W	3	
R6548	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6550	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6551	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6552,53	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6554	ERG1FJS101D	M 100 OHM, J, 1W	1	
R6555	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6556	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6558	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6560,61	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6562	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6563	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6565	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6566	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6567,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6570	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6571-78	ERJ6GEYJ471	M 470 OHM,J,1/10W	8	
R6580	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6581	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6586	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6587	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6588,89	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6590	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6591	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6592,93	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R6594	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6595	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6596	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6598	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6599,00	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6604	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6608,09	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611-14	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6615	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6616	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6617,18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6619,20	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6621	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6622,23	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6624	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6625	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6627,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6629	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6630	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6635-38	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6641,42	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6643,44	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6645,46	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6647,48	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6649	EXB38V680J	RESISTOR ARRAY	1	
R6653	EXB38V680J	RESISTOR ARRAY	1	
R6655	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6656	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6659,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6661,62	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6663	EXB38V472J	RESISTOR ARRAY	1	
R6664	EXB38V470J	RESISTOR ARRAY	1	
R6667,68	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6669	EXB38V472J	RESISTOR ARRAY	1	
R6670	EXB38V470J	RESISTOR ARRAY	1	
R6675	EXB38V472J	RESISTOR ARRAY	1	
R6676	EXB38V470J	RESISTOR ARRAY	1	
R6683	EXB38V470J	RESISTOR ARRAY	1	
R6686	EXB38V472J	RESISTOR ARRAY	1	
R6696	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6699	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ6GEYJ221	M 220 OHM,J,1/10W	3	
R6910,11	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6912	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6913	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6920-23	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6924	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6955	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6956-58	ERJ6GEYJ221	M 220 OHM,J,1/10W	3	
R6959	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6975-78	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6979	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7102,03	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7104	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7105	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7106,07	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7110,11	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7117	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7121-23	ERJ8GEY0R00	M 0 OHM, 1/8W	3	
R7125	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7126-28	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R7130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7132-35	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7136-41	ERJ14YJ220	M 22 OHM, J,1/4W	6	
R7142-46	EXB38V470J	RESISTOR ARRAY	5	
R7161	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7162,63	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7166,67	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7170,71	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7175-77	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7187	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7188	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7192	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7194	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7196,97	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7202,03	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7204	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R7206,07	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7210,11	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7214,15	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7217	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7218-21	ERJ8GEY0R00	M 0 OHM, 1/8W	4	
R7225	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7226-29	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7232	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7233-40	ERJ14YJ220	M 22 OHM, J,1/4W	8	
R7241,42	EXB38V470J	RESISTOR ARRAY	2	
R7243-46	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7247	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7248	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7249,50	EXB38V470J	RESISTOR ARRAY	2	
R7251-53	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R7254	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7255	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7257,58	EXB38V470J	RESISTOR ARRAY	2	
R7259-65	ERJ6GEY0R00	M 0 OHM, 1/10W	7	
R7289,90	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7293	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7296,97	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7298,99	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8001	J0JCC0000100	CHIP INDUCTOR	1	
R8003,04	J0JCC0000100	CHIP INDUCTOR	2	
R8010-12	ERJ3GEYJ271	M 270 OHM,J,1/16W	3	
R8017,18	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R8021	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8025	J0JCC0000100	CHIP INDUCTOR	1	
R8026	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8033	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8041	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R8045,46	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8047	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8050,51	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8055,56	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R8057	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8058,59	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R8065	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8067	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8069	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R8072	J0JCC0000100	CHIP INDUCTOR	1	
R8089	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R8093	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8097,98	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R8100	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8117-20	J0JCC0000100	CHIP INDUCTOR	4	
R8121,22	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8124-27	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R8129	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8131-35	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R8181	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R8182	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8183,84	J0JCC0000100	CHIP INDUCTOR	2	
R8185,86	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8187,88	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R8189,90	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8200	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R8201	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R8202,03	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R8204	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8205	ERJ3GEYJ563	M 56KOHM,J,1/16W	1	
R8206	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R8207	J0JCC0000100	CHIP INDUCTOR	1	
R9001-03	EXB2HVR000	RESISTOR ARRAY	3	
R9004	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9005	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R9007	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9008	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9009	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9010	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9011	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9012-14	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9016-19	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9020	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9021	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9023	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9028-30	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9032	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9034	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9035-38	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9039-42	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9043,44	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	2	
R9101,02	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9104-07	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9108	EXB38V103J	RESISTOR ARRAY	1	
R9109	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9110,11	EXB38V103J	RESISTOR ARRAY	2	
R9112	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9113-15	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9116-26	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	11	
R9127	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9129,30	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9131,32	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9133,34	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9137	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9139	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9140	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9142	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9144	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9145	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9148	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9149	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9151-53	D1HG1038A002	NETWORK RESISTER	3	
R9154	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9155	EXB38V103J	RESISTOR ARRAY	1	
R9156,57	EXB2HV470JV	RESISTOR ARRAY	2	
R9158	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9171	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9205	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9207	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9209	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9211-20	TAJAAH0101JV	M 100 OHM,J,1/16W	10	
R9221,22	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9226	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9228	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9229	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9237	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9238	EXB38V470J	RESISTOR ARRAY	1	
R9239	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9240-43	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9244	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9245	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9249-52	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9260,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9265	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9271-73	EXB2HV470JV	RESISTOR ARRAY	3	
R9274,75	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9276	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9277-79	EXB2HV470JV	RESISTOR ARRAY	3	
R9280,81	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9282	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9283	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9284	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9286	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9287,88	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9289	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9290	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9293-95	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9296	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9297	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9301	EXB38V470J	RESISTOR ARRAY	1	
R9302-05	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R9306,07	EXB2HV470JV	RESISTOR ARRAY	2	
R9308	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9309	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9310	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9311	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9312,13	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9314	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9315	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9316	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9317	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9318	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9319,20	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9321	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9322-24	EXB2HV470JV	RESISTOR ARRAY	3	
R9325	EXB38V470J	RESISTOR ARRAY	1	
R9326,27	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9328	EXB2HV470JV	RESISTOR ARRAY	1	
R9502	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9503	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9505	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9508	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9509,10	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9512-16	TAJAAH0470JV	M 47 OHM,J,1/16W	5	
R9518	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9561	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9563	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9566	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9568-70	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9571,72	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9581	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9583,84	ERJ3GEY0R00	M 0 OHM, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9585	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9586	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9591	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9593,94	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9595	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9596	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9601	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9602,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9604	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9605,06	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9607	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9608	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9609	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9610,11	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9614-17	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9620	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9622	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9624	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9626-31	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9633	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9635	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9637,38	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9641	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9643,44	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9647	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9649	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9651-54	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9682,83	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9684,85	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9701-03	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9705	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9706,07	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	2	
R9708	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9709	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9710	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9711	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9713	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9714	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9715	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9716	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9718	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9720	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9722,23	EXB2HV470JV	RESISTOR ARRAY	2	
R9724	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9725-28	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9729	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9730	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9731	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9732	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9733	EXB38V220J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9734,35	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9736,37	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9738	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9739	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9740	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9741	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9742	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9743	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9744	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9747	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9748-50	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9751,52	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9753	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9754	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9755	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9756	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9757	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9759	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9760	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9761	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9762	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R9764	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9765	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9766	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9767	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9768	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9769	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9771	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9772,73	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9774	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9775	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9777	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9778,79	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9781	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9782	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9783	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9785	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9786-88	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9791	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9792	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9793	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9795	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9796	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9797	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9798	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9801	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9805	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9806	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9808	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9810	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9811	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9812	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9813	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9814	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9815	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9816	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9817	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9818	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9819	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9820,21	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9822	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9823	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9824	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9825	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9826	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9829	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9830	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9832	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9833	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9834	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9836,37	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9839	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9840	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9843	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9844	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9845-55	TAJAAH0101JV	M 100 OHM,J,1/16W	11	
R9857	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9860	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9861	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9863	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9864	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9865	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9866	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9868-70	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9871	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9872,73	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9874	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9875	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9876-79	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9880	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9881	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9882	EXB38VR000	RESISTOR ARRAY	1	
R9883	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9884	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9885	EXB38VR000	RESISTOR ARRAY	1	
R9891-93	ERJ3GEY0R00	M 0 OHM, 1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9894	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9895-97	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9951	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9953	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9954	ERJ6ENF2322	M23.2KOHM, 1/10W	1	
R9955	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9956	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9957	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9961	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9963	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9964	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R9965	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9966	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R9967	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9971	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9973	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R9974	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R9976,77	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9981	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9982	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9983	ERJ6ENF1601	M 1.6KOHM, 1/10W	1	
R9984	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9985	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9991,92	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9993	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9994-96	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
RM001	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNPA3003	CIRCUIT BOARD H3	1	⚠
RTL	TNPA3631AB	CIRCUIT BOARD J	1	⚠
RTL	TZTNP020YLS	CIRCUIT BOARD HX	1	⚠
RTL	TXNHA10RBS	CIRCUIT BOARD HA	1	TH-37PWD8UK ⚠
RTL	TXNHB10QXS	CIRCUIT BOARD HB	1	TH-37PWD8UK ⚠
RTL	TXNHB10QXS	CIRCUIT BOARD HB	1	TH-37PWD8BK/BS/EK/ES PAVCCZ ⚠
RTL	TNPA3570	CIRCUIT BOARD P	1	⚠
RTL	TNPA3541	CIRCUIT BOARD C1	1	⚠
RTL	TNPA3542	CIRCUIT BOARD C2	1	⚠
RTL	TZTNP01YLSU	CIRCUIT BOARD D	1	TH-37PWD8GK/GS/UK ⚠
RTL	TZTNP01YLSE	CIRCUIT BOARD D	1	TH-37PWD8BK/BS/EK/ES PAVCCZ ⚠
RTL	TNPA3543AB	CIRCUIT BOARD SC	1	⚠
RTL	TNPA3233	CIRCUIT BOARD SD	1	⚠
RTL	TNPA3544AB	CIRCUIT BOARD SS	1	⚠
RTL	TNPA3232	CIRCUIT BOARD SU	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TNPA3640	CIRCUIT BOARD V1	1	⚠
RTL	TNPA3641	CIRCUIT BOARD V2	1	⚠
RTL	TNPA3642	CIRCUIT BOARD S1	1	⚠
S34	K1KA03AA0193	3P CONNECTOR	1	
SC2	K1KA06AA0192	6P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA03AA0193	3P CONNECTOR	1	
SC41,42	K1ML80BA0001	80P CONNECTOR	2	
SC45,46	K1KA10A00431	10P CONNECTOR	2	
SD1-D3	K1MN80B00004	80P CONNECTOR	3	
SD46	K1KA10B00209	10P CONNECTOR	1	
SS11	K1KA07AA0192	7P CONNECTOR	1	
SS12	K1KA05AA0192	5P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41A-4A	K1MN13B00020	13P CONNECTOR	4	
SU1-U3	K1MN80B00004	80P CONNECTOR	3	
SU45	K1KA10B00209	10P CONNECTOR	1	
SW061	K0F162B00002	SWITCH	1	
SW1550-54	EVQPLHA15	SWITCH	5	⚠
T6461	ETS13TB139AP	SWITCHING TRANS	1	
T6471	ETS19AA259AC	SWITCHING TRANS	1	
V2	K1KA06BA0047	6P CONNECTOR	1	
V15	K1KA03BA0047	3P CONNECTOR	1	
VR6074	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6477	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
VR6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X2301	H0J184500020	CRYSTAL	1	
X3101	H0J202500002	CRYSTAL	1	
X8181	H0J327200114	CRYSTAL	1	
X9501	H0J200500038	CRYSTAL	1	
X9701	H0J400400017	CRYSTAL	1	
ZA001	K4CD01000013	TERMINAL	1	
ZA007	K4CD01000013	TERMINAL	1	
ZA3001-04	K4CD01000013	TERMINAL	4	
ZA3007	K4CD01000013	TERMINAL	1	
ZA3009	K4CD01000013	TERMINAL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA6002	K4CD01000013	TERMINAL	1	
ZA6004	K4CD01000013	TERMINAL	1	
ZA6601-03	K4CD01000013	TERMINAL	3	
ZA7101	K4CD01000013	TERMINAL	1	
ZA7103	K4CD01000013	TERMINAL	1	
ZA7201	K4CD01000013	TERMINAL	1	
ZA7203	K4CD01000013	TERMINAL	1	
C402	ECJ2XC1H101J	C 100PF, J, 50V	1	
C403	ECKCNA222MEB	C 2200PF, M	1	⚠
C404	F0CAF105A021	C 1UF, 250V	1	⚠
C405	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C407	ECA2WHG220	E 22UF, 450V	1	
C409	F0CAF105A021	C 1UF, 250V	1	⚠
C410	ECJ3YB1E105K	C 1UF, K, 25V	1	
C411-14	ECJ2XB1H103K	C 0.01UF, K, 50V	4	
C415,16	F1A3A102A040	C 1000PF, J, 1KV	2	
C417	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C418	F1J1C1050011	C 1UF, Z, 50V	1	
C419	F1A3A102A040	C 1000PF, J, 1KV	1	
C421,22	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C424	F1A3A102A040	C 1000PF, J, 1KV	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429,30	F1K2J1530002	C 0.15PF, J,630V	2	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432-34	F1J1C1050011	C 1UF, Z, 50V	3	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446	F2B2W3910005	C 390UF, 450V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF,J,1.2KV	1	
C459	F1K2J1530002	C 0.15PF, J,630V	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C465	ECKCNA221KB7	C 220PF, M,	1	⚠
C467	ECKCNA221KB7	C 220PF, M,	1	⚠
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C470	F0CAF105A021	C 1UF, 250V	1	⚠
C471	F1J1C1050011	C 1UF, Z, 50V	1	
C473	ECKCNA221KB7	C 220PF, M,	1	⚠
C476	ECKCNA221KB7	C 220PF, M,	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C482	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C490	ECJ2XC1H331J	C 330PF, J, 50V	1	
C491	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C492	ECJ2XC1H271J	C 270PF, J, 50V	1	
C493	ECA1EM101	E 100UF, 25V	1	
C494,95	ECJ2XC1H101J	C 100PF, J, 50V	2	
C496	F1J1C1050011	C 1UF, Z, 50V	1	
C497	ECA1EM221	E 220UF, 25V	1	
C498	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C501-03	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506-08	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C509	ECA1EM101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECA1EM331	E 330UF, 25V	1	
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	ECA1CM222	E 2200UF, 16V	1	
C516	ECJ2XB1C474K	C 0.47UF, Z, 16V	1	
C517	F2D1E1010001	E 10UF, 25V	1	
C518,19	F1J1C1050011	C 1UF, Z, 50V	2	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C525	F2A1E8210012	E 820UF, 25V	1	
C526	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2VB1H333K	C 0.033UF, K, 50V	2	
C548	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C551-53	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C554	F1J1C1050011	C 1UF, Z, 50V	1	
C555	ECA2AM101	E 100UF, 100V	1	
C556	F2A1C1520009	E 1500UF, 16V	1	
C557	F2A1E1520089	E 1500UF, 25V	1	
C562	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C572	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	ECA2AM330	E 33UF, 100V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C587	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C591,92	F1K2J1530002	C 0.15PF, J,630V	2	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECA1HM470	E 47UF, 50V	1	
C604,05	F2A2C1510004	E 150UF, 160V	2	
C606,07	F1J1C1050011	C 1UF, Z, 50V	2	
C608,09	ECJ2XB1H103K	C 0.01UF, K, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2D1720001	E 1700UF,@ 200V	1	
C612	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C615	F2B2D1720001	E 1700UF,@ 200V	1	
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ3YB1E105K	C 1UF, K, 25V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C629	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C631	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C633	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C636	F1J1C1050011	C 1UF, Z, 50V	1	
C637	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	
C646,47	ECJ2XC1H331J	C 330PF, J, 50V	2	
D401	B0FBAT000006	DIODE	1	
D402	MA4240MTA	ZENER DIODE	1	
D403	MA4051NM	ZENER DIODE	1	
D404	B0EBKT000007	DIODE	1	
D406	MA4200M	ZENER DIODE	1	
D407	MA188	DIODE	1	
D410	MA111	DIODE	1	
D411	B0BB17000010	ZENER DIODE	1	
D412-14	MA111	DIODE	3	
D415	B0JAME000081	DIODE	1	
D417	RU30A	DIODE	1	
D418	MA4082M	ZENER DIODE	1	
D419,20	RU30A	DIODE	2	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D427-29	ERA15-10	DIODE	3	
D431	B0JCDD000002	DIODE	1	
D433	MA4150M	ZENER DIODE	1	
D434	MA4082M	ZENER DIODE	1	
D435	ERA15-10	DIODE	1	
D436	MA188	DIODE	1	
D437	MA4082M	ZENER DIODE	1	
D438	MA4150M	ZENER DIODE	1	
D439	MA4130HTA	ZENER DIODE	1	
D440	MA4300M	ZENER DIODE	1	
D441	B0HAMM000122	DIODE	1	
D442	MA4075M	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D443	MA4240MTA	ZENER DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA165	DIODE	1	
D459	MA188	DIODE	1	
D461	MA4082M	ZENER DIODE	1	
D462	MA142WKTX	ZENER DIODE	1	
D463-67	ERA15-10	DIODE	5	
D501	B0HANR000016	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000081	DIODE	1	
D506	MA4051NM	ZENER DIODE	1	
D507,08	MA4150M	ZENER DIODE	2	
D509,10	B0HANM000028	DIODE	2	
D511	B0HBSM000043	DIODE	1	
D514	MA4062M	ZENER DIODE	1	
D521	B0HAMP000067	DIODE	1	
D528,29	MA153	DIODE	2	
D530	MA4100M	ZENER DIODE	1	
D531,32	B0HAPR000012	DIODE	2	
D534	B0JBSG000026	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSL000013	DIODE	1	
D538	MA3051M	ZENER DIODE	1	
D539	B0HBRP000007	DIODE	1	
D542	MA4180HTA	ZENER DIODE	1	
D543	MA4150M	ZENER DIODE	1	
D544,45	MA4180HTA	ZENER DIODE	2	
D549	MA4075M	ZENER DIODE	1	
D551	MA4130M	ZENER DIODE	1	
D552	MA4082M	ZENER DIODE	1	
D555	MA4075M	ZENER DIODE	1	
D559	MA4075M	ZENER DIODE	1	
D563	MA4062M	ZENER DIODE	1	
D564	MAZ72000AF	ZENER DIODE	1	
D565	MA4160M	ZENER DIODE	1	
D566	B0HAMM000122	DIODE	1	
D568	MA3J142D0L	DIODE	1	
D569-71	MA4300M	ZENER DIODE	3	
D572	MA188	DIODE	1	
D574	MA111	DIODE	1	
D575	MA188	DIODE	1	
D579	MA111	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D584	MA4075M	ZENER DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
IC401	CNC1S171R	IC	1	⚠
IC402	C0BBAA000038	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC403,04	CNC1S171R	IC	2	⚠
IC406	C0DAZZZ00021	IC	1	
IC407	C0DBAZZ00111	IC	1	
IC408,09	CNC1S171R	IC	2	⚠
IC411	C0BBAA000038	IC	1	
IC412	CNC1S171R	IC	1	⚠
IC501	C2ABDD000064	IC	1	
IC502	C0EBH0000190	IC	1	
IC503,04	C0DAEMB00004	IC	2	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	
IC507	C0CBABE00023	IC	1	
IC509	C0DABZZ00010	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	C9ZB00000496	IC	1	
L402	EXCELSA24	BEAD CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	⚠
L404,05	G0B123K00003	INDUCTION COIL	2	
L501	EXCELSA35	BEAD CHOKE	1	
L502	TALL08N102JA	INDUCTION COIL	1	
L506	EXCELDR25C	BEAD CHOKE	1	
L509	J0JBC0000032	CHIP INDUCTOR	1	
L510	EXCELDR25C	BEAD CHOKE	1	
P2	K1KA06AA0479	6P CONNECTOR	1	
P5	K1KA11AA0183	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06AA0182	6P CONNECTOR	1	
P11	K1KA07AA0192	7P CONNECTOR	1	
P12	K1KA05AA0192	5P CONNECTOR	1	
P23	K1KA03AA0182	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
P30	K1KA05AA0182	5P CONNECTOR	1	
PR401	K5Y502BA0001	FUSE	1	
PR402	K5G202B00015	FUSE	1	
PR501	K5H502Z00003	FUSE	1	
PR503	K5H502Z00003	FUSE	1	
PR509	K5H501Z00005	FUSE	1	
PR601	K5G312B00012	FUSE	1	
Q401	B1CHND000004	TRANSISTOR	1	
Q403	B1CBGD000001	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEHQ000007	TRANSISTOR	1	
Q407	XN4601	TRANSISTOR	1	
Q408,09	B1CHND000004	TRANSISTOR	2	
Q412,13	B1DAGQ000013	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q414	B1ABCF000134	TRANSISTOR	1	
Q415	2SB1218ARL	TRANSISTOR	1	
Q417	B1CHND000004	TRANSISTOR	1	
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q423,24	B1CBGD000001	TRANSISTOR	2	
Q430	B1CEJQ000002	TRANSISTOR	1	
Q431	B1DEGS000001	TRANSISTOR	1	
Q432	B1CEJQ000002	TRANSISTOR	1	
Q433	B1CBGD000001	TRANSISTOR	1	
Q434	B1CEJQ000002	TRANSISTOR	1	
Q435	B1CBGD000001	TRANSISTOR	1	
Q436	B1CEJQ000002	TRANSISTOR	1	
Q438	B1CBGD000001	TRANSISTOR	1	
Q439	B1CHND000004	TRANSISTOR	1	
Q440,41	2SD1819A	TRANSISTOR	2	
Q501,02	2SD1820A	TRANSISTOR	2	
Q503	XN0440100L	TRANSISTOR	1	
Q505	B1CEJQ000002	TRANSISTOR	1	
Q506	B1CHND000004	TRANSISTOR	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	XN0450100L	TRANSISTOR	1	
Q509	XN0440100L	TRANSISTOR	1	
Q510	B1DHBD000004	TRANSISTOR	1	
Q511	B1CFND000005	TRANSISTOR	1	
Q512	B1CBGD000001	TRANSISTOR	1	
Q516	B1DHBD000004	TRANSISTOR	1	
Q517	B1HFCFA00021	TRANSISTOR	1	
Q518	B1DEHL000018	TRANSISTOR	1	
Q519	B1DEHF000002	TRANSISTOR	1	
Q520	B1HFCFA00021	TRANSISTOR	1	
Q525	B1CBGD000001	TRANSISTOR	1	
Q527	B1DEHL000018	TRANSISTOR	1	
Q530	B1CBGD000001	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q536-38	B1CFQD000001	TRANSISTOR	3	
Q541	B1CBGD000001	TRANSISTOR	1	
Q544	XN0440100L	TRANSISTOR	1	
Q550	B1CHGD000006	TRANSISTOR	1	
Q551,52	B1CBGD000001	TRANSISTOR	2	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHBD000004	TRANSISTOR	1	
Q557	2SD1819A	TRANSISTOR	1	
Q558	B1CHHG000002	TRANSISTOR	1	
Q559	2SD1819A	TRANSISTOR	1	
Q560	B1CHHG000002	TRANSISTOR	1	
Q561,62	2SD1819A	TRANSISTOR	2	
Q564,65	2SD1819A	TRANSISTOR	2	
Q567	B1CBGD000001	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R401	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R402	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R403	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R404	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R405	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R407	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R408	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R410,11	D1F5100E0002	F 3.3 OHM, 5W	2	⚠
R412	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R413	D1F5100E0002	F 3.3 OHM, 5W	1	⚠
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R416	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R420	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R422	ERJ8GEYJ181	M 180 OHM, J,1/8W	1	
R423	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ8GEYJ103	M 10KOHM, J,1/8W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ8GEYJ103	M 10KOHM, J,1/8W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R435	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERG12SJ120	M 12 OHM, J,1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R445	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R446	ERX2SJR39H	M0.39 OHM, J, 2W	1	
R447	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R448,49	D0XGR10JA007	RESISTOR ARRAY	2	
R450	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R453	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R455	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R456,57	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R461	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R466,67	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R469	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R470	ERX2SJR39H	M0.39 OHM, J, 2W	1	
R471	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R474	ERG1SJ104P	M 100KOHM, J, 1W	1	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J,1/4W	2	
R478	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R479	ERG1SJ104P	M 100KOHM, J, 1W	1	
R480	ERJ6ENF9102	M91.0KOHM, 1/10W	1	
R481	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R483	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R485	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R486,87	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	2	
R488	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R489	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R492	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R493	ERG12SJ120	M 12 OHM, J,1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R501	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J,1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R523	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R524	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R528	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R530	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R531	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R532	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R533	ERJ8GEYJ223	M 22KOHM, J,1/8W	1	
R534	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R535,36	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R537	ERJ6ENF3602	M 36KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R539	ERJ6RBD1002	M 1.0KOHM, 1/10W	1	
R540	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R541	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R542	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R543	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546,47	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R548	ERJ8GEYJ102	M 1KOHM, J,1/8W	1	
R549	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R550	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R551	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R552	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R553	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R554	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R557	ERJ8GEYJ471	M 470 OHM, J,1/8W	1	
R558	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R559	ERJ6RBD4702	M 47KOHM, 1/10W	1	
R560	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R561	ERJ6ENF4301	M 4.3KOHM, 1/10W	1	
R562	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R563	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R564	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R565	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R566	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R567	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R568,69	ERG2SJ181	M 180 OHM, J, 2W	2	
R570	ERJ8GEYJ102	M 1KOHM, J,1/8W	1	
R571	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R572,73	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R574	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R575	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R576	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R577,78	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R579	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R580,81	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R584	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R585	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R586,87	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R588	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R589,90	ERJ8GEYJ123	M 12KOHM, J,1/8W	2	
R591	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R595	ERJ8GEYJ222	M 2.2KOHM, J,1/8W	1	
R596	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R597,98	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R599,00	ERJ8GEYJ391	M 390 OHM, J,1/8W	2	
R601	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R602	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R603	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R604	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R606	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R607	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R608	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R609	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R610,11	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R612	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R613	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R614	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R615-17	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R618	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R619	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R620	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R621	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R622	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R623	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R624	ERX2SJR22	M0.22 OHM, J, 2W	1	
R625	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R630	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R631	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R633	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R634	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R640	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R641	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R642-44	ERJ8RQFR68	M 0.68OHM, J,1/8W	3	
R645	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R646,47	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R650	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R651	**ERJ6GEYJ473**	**M 47KOHM,J,1/10W**	**1**	
R652	**ERJ6ENF9101**	**M 9.1KOHM, 1/10W**	**1**	
R653	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R654	**ERJ8GEYJ101**	**M 100 OHM, J,1/8W**	**1**	
R655	**ERJ8RQJR39**	**M0.39 OHM, 1/8W**	**1**	
R656	**ERJ6ENF4702**	**M 47KOHM, 1/10W**	**1**	
R657	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R658	**ERJ6GEYJ105**	**M 1MOHM,J,1/10W**	**1**	
R659	**ERJ6ENF3002**	**M 30KOHM, 1/10W**	**1**	
R660	**ERJ6ENF1202**	**M 12KOHM, 1/10W**	**1**	
R661	**EVMAASA00B53**	**CONTROL 5KOHMB**	**1**	
R662	**ERJ6ENF1303**	**M 130KOHM, 1/10W**	**1**	
R663	**ERJ3GEYJ2R2**	**M 2.2 OHM,J,1/16W**	**1**	
R664	**ERJ6ENF9101**	**M 9.1KOHM, 1/10W**	**1**	
R665	**EVMAASA00B23**	**CONTROL 2KOHMB**	**1**	
R666	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R667,68	**ERJ8GEY0R00**	**M 0 OHM, 1/8W**	**2**	
R669	**ERJ6ENF1303**	**M 130KOHM, 1/10W**	**1**	
R670	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R671	**EVMAASA00B14**	**CONTROL 10KOHMB**	**1**	
R674	**ERJ8GEYJ333**	**M 33KOHM, J,1/8W**	**1**	
R675	**ERJ3GEYJ2R2**	**M 2.2 OHM,J,1/16W**	**1**	
R676	**ERJ8GEYJ333**	**M 33KOHM, J,1/8W**	**1**	
R677	**ERJ6GEYJ224**	**M 220KOHM,J,1/10W**	**1**	
R678	**ERJ6GEYJ223**	**M 22KOHM,J,1/10W**	**1**	
R679,80	**ERJ8RQJR39**	**M0.39 OHM, 1/8W**	**2**	
R681	**ERJ6ENF1500**	**M 150 OHM, 1/10W**	**1**	
R682	**ERJ6GEYJ222**	**M 2.2KOHM,J,1/10W**	**1**	
R683	**ERJ6ENF1500**	**M 150 OHM, 1/10W**	**1**	
R684	**ERJ6GEYJ223**	**M 22KOHM,J,1/10W**	**1**	
R685	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R686	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R687	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R688	**ERJ6GEYJ223**	**M 22KOHM,J,1/10W**	**1**	
R689	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R690	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R691	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R692,93	**ERJ6GEYJ472**	**M 4.7KOHM,J,1/10W**	**2**	
R694	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R695	**ERJ6ENF1602**	**M 16KOHM, 1/10W**	**1**	
R696	**ERJ8GEYJ100**	**M 10 OHM, J,1/8W**	**1**	
R697	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R698	**ERJ8RQJR39**	**M0.39 OHM, 1/8W**	**1**	
R702	**ERJ6GEYJ101**	**M 100 OHM,J,1/10W**	**1**	
R703,04	**ERG2SJ101**	**M 100 OHM, J, 2W**	**2**	
R706	**ERJ6GEYJ103**	**M 10KOHM,J,1/10W**	**1**	
R707	**ERJ6GEYJ102**	**M 1KOHM,J,1/10W**	**1**	
R708	**ERJ6GEYJ104**	**M 100KOHM,J,1/10W**	**1**	
R712	**ERJ6GEY0R00**	**M 0 OHM, 1/10W**	**1**	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R713	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R901	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R903-06	ERJ8ENF1203	M 12KOHM, 1/8W	4	
R907	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R908	ERJ6GEYJ335	M 3.3MOHM,J,1/10W	1	
R909-11	ERJ6GEYJ106	M 10MOHM,J,1/10W	3	
R912	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R913,14	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R915	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R916	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R917	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R918	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R920	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R921	ERJ6RBD3092	M30.9KOHM,F,1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R925	ERJ6GEYJ335	M 3.3MOHM,J,1/10W	1	
R926,27	ERG2DJW224E	M 220KOHM, J, 2W	2	
R928-31	ERJ8ENF1203	M 12KOHM, 1/8W	4	
R932	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
RL402	TSEH8011	RELAY	1	⚠
RL403	TSE10801	RELAY	1	⚠
S401,02	J0LT00000009	SWITCH	2	⚠
T401	G4D4A0000107	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	⚠
T404	G4D4A0000109	SWITCHING TRANSFORMER	1	⚠
T407	ETQ11K5AZ	CHOKE TRANS	1	⚠
T410	G4D2A0000229	SWITCHING TRANSFORMER	1	⚠
T601	G4D2A0000227	SWITCHING TRANSFORMER	1	
W2	ERDS2TJ391	C 390 OHM, J,1/4W	1	
X501	H2B400400021	CRYSTAL	1	
Z1,Z2	K4ZZ01000206	TERMINAL	2	
Z410	TMM7464-2	CLAMPER	1	
Z411	TMME190	CLAMPER	1	
Z412	TMM7443-3	CLAMPER	1	
Z413	TMM7464-2	CLAMPER	1	
Z414	TMME190	CLAMPER	1	
Z420	TMM23417	CLAMPER	1	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZN401,02	D4EAD6210001	VARISTOR	2	⚠
ZN403	D4EA8511A001	VARISTOR	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZN404	D4EAB681A011	VARISTOR	1	⚠

19.3. Electrical Replacement Parts List (42inch)

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by AVC-SPC.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	⚠
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1KA04BA0107	4P CONNECTOR	1	
C1MM2	TMME199	CLAMPER	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1KA04BA0107	4P CONNECTOR	1	
C23	K1KA12AA0153	12P CONNECTOR	1	
C801,02	EEVHB1C471	E 470UF, 16V	2	
C804	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C805	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C806	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C807	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C808	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C809	TCUY1C225KBM	C 2.2UF, 16V	1	
C811,12	EEVHB1C471	E 470UF, 16V	2	
C814	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C815	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C816	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C817	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C818	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C819	TCUY1C225KBM	C 2.2UF, 16V	1	
C820	ECJ2XC1H820J	C 82PF, J, 50V	1	
C821	F2H0J102A010	C 1000UF, 6.3V	1	
C822	EEVHB1C471	E 470UF, 16V	1	
C824	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C825	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C826	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C827	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C828	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C829	F1J0J1060004	C 0.010UF, K, 16V	1	
C830	ECJ2XC1H820J	C 82PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C831	EEEHB1C470P	C 47PF, J, 16V	1	
C832	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C833	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C834	EEEHB1C470P	C 47PF, J, 16V	1	
C835	F1J0J1060004	C 0.010UF, K, 16V	1	
C836	TCUY1C225KBM	C 2.2UF, 16V	1	
C837	F1J0J1060004	C 0.010UF, K, 16V	1	
C838	TCUY1C225KBM	C 2.2UF, 16V	1	
C839	F1J0J1060004	C 0.010UF, K, 16V	1	
C840	TCUY1C225KBM	C 2.2UF, 16V	1	
C841	F1J0J1060004	C 0.010UF, K, 16V	1	
C842	TCUY1C225KBM	C 2.2UF, 16V	1	
C843	F1J0J1060004	C 0.010UF, K, 16V	1	
C844	TCUY1C225KBM	C 2.2UF, 16V	1	
C845	F1J0J1060004	C 0.010UF, K, 16V	1	
C846	TCUY1C225KBM	C 2.2UF, 16V	1	
C847	F1J0J1060004	C 0.010UF, K, 16V	1	
C848	TCUY1C225KBM	C 2.2UF, 16V	1	
C1530	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2350,51	TCUY1C225KBM	C 2.2UF, 16V	2	
C2352,53	EEEHB1H100P	C 10PF, J, 50V	2	
C2354,55	EEEHB1V470P	E 47UF, 35V	2	
C2356,57	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2358,59	EEEHB1H2R2R	C 2.2PF, J, 50V	2	
C2360,61	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C2362,63	EEEHB1E471UP	C 470PF, J, 25V	2	
C2364,65	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,67	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C2368,69	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370,71	EEEHB1V470P	E 47UF, 35V	2	
C2373-75	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C2376,77	ECJ1XC1H150J	C 15PF, J, 50V	2	
C2378-82	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C2383	EEEHB1A101P	C 100PF, J, 10V	1	
C2384	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2385	EEEHB1A101P	C 100PF, J, 10V	1	
C2386,87	EEEHB1H1R0R	C 1.0PF, J, 50V	2	
C2388	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2389	EEEHB1A101P	C 100PF, J, 10V	1	
C2390	EEEHB1H100P	C 10PF, J, 50V	1	
C2391	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2392,93	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C2394	EEEHB1H100P	C 10PF, J, 50V	1	
C2395,96	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2397	EEEHB1A101P	C 100PF, J, 10V	1	
C2398-03	ECJ1XB1C104K	C 0.1UF, Z, 16V	6	
C2404	ECJ1VB1C103K	C 0.010UF, K, 16V	1	
C2405,06	ECJ1VB0J225K	C 2.2UF, K, 6.3V	2	
C2407,08	F1J0J1060004	C 0.010UF, K, 16V	2	
C2409,10	ECJ1XC1H181J	C 180PF, J, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2411-13	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C3001	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C3002	ECJ2XB1E104K	C 0.1UF, K, 25V	1	(HB)
C3002	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3003	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3003	EEEHP1A100R	E 10UF, 10V	1	(HB)
C3004	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3004	EEEHP1A100R	E 10UF, 10V	1	(HB)
C3005	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3005	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3006	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3006	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3007	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3007	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HA)
C3007	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	(J)
C3008	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3008	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HA)
C3009	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3009	EEEHB1C470P	C 47PF, J, 16V	1	(HB)
C3010	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3011	EEEHB1C470P	C 47PF, J, 16V	1	(HA)
C3012	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3012	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3012	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HA)
C3013	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3013	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HB)
C3014	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3014	EEEHB1C470P	C 47PF, J, 16V	1	(HB)
C3015	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3015	ECJ1XC1H470J	C 47PF, J, 50V	1	(HB)
C3016	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3016	ECJ1XC1H220J	C 22PF, J, 50V	1	(HB)
C3017	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	(J)
C3017	ECJ1XC1H680J	C 68PF, J, 50V	1	(HB)
C3018	EEEHB0J330R	C 33PF, J, 6.3V	1	(HB)
C3018	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3019	ECJ3YB0J335K	C 33UF, J, 25V	1	(HB)
C3020	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3021	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HA)
C3021	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HB)
C3021	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3022	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3022	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HA)
C3022	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3023	EEEHB0J101P	C 100PF, J, 6.3V	1	(HB)
C3023	TCUY1C225KBM	C 2.2UF, 16V	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3024	ECJ3XB0J106M	C 10UF, M,6.3V	1	(HB)
C3024-31	TCUY1C225KBM	C 2.2UF, 16V	8	(J)
C3033	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3040,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3051-54	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3055,56	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3101	TCUY1C225KBM	C 2.2UF, 16V	1	
C3102	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3103	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3103	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3104	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3105	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3105	EEEHB0G221P	C 220PF, J, 4V	1	(HB)
C3106	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3106	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3107	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3108	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3108	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3109,10	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	(HB)
C3110	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3111	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3112	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3113	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3113	EEEHB1C470P	C 47PF, J, 16V	1	(J)
C3114	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3115	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3116-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	6	
C3122	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3123-26	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3127	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3128-34	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C3134	F2H0J102A010	C 1000UF, 6.3V	1	
C3135	ECJ1VB1C103K	C 0.010UF, K, 16V	1	(HB)
C3135	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3136	ECJ1XC1H330J	C 33PF, J, 50V	1	(HB)
C3136	F2H0J102A010	C 1000UF, 6.3V	1	(J)
C3137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3138	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3141	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3142	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3143	TCUY1C225KBM	C 2.2UF, 16V	1	
C3144	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3144	TCUY1C225KBM	C 2.2UF, 16V	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3145	EEEHB1C470P	C 47PF, J, 16V	1	
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HB)
C3146	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3147	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3148	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3149	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3150	ECJ1VB1C103K	C 0.010UF, K, 16V	1	(HB)
C3150	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3151	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3152	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3154	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3156	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3157	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3158	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3159	EEEHB0G221P	C 220PF, J, 4V	1	
C3160,61	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3162-66	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3167-78	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C3179	EEEHB0G221P	C 220PF, J, 4V	1	
C3180-83	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3185	ECJ1XC1H060D	C 6PF, D, 50V	1	
C3186	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3188	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3200	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3201	F1J0J1060004	C 0.010UF, K, 16V	1	
C3202	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3202	F1J0J1060004	C 0.010UF, K, 16V	1	(J)
C3203	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HB)
C3203	F1J0J1060004	C 0.010UF, K, 16V	1	(J)
C3204-06	ECJ1VF1A105Z	C 1UF, Z, 10V	3	
C3207	EEEHB0G221P	C 220PF, J, 4V	1	
C3208-14	ECJ1VF1A105Z	C 1UF, Z, 10V	7	
C3216,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3253	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3255	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3256	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3257	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3258	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3259	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3260	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3261	EEEHB0G221P	C 220PF, J, 4V	1	
C3262	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C3263,64	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3265	EEEHB0G221P	C 220PF, J, 4V	1	
C3266	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3301	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3308	EEEHB0G221P	C 220PF, J, 4V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3309	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3313	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3316,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3318-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3322,23	EEEHB0G221P	C 220PF, J, 4V	2	
C3324	EEVHB0J101P	E 100UF, 6.3V	1	
C3325	EEEHB1C470P	C 47PF, J, 16V	1	
C3327-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405	EEEHB1C470P	C 47PF, J, 16V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3523	EEEHB1C470P	C 47PF, J, 16V	1	
C3524	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3551	EEEHB1C470P	C 47PF, J, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C6001-03	F2A2D221A022	E 220UF, 200V	3	
C6005	F1L1E4750004	C 4.7UF, 25V	1	
C6007,08	ECA2CM101	E 100UF, 160V	2	
C6009	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6011	F1L2J392A022	C 3900UF, K,6.3V	1	
C6012	F1L2J562A022	C 5600UF, K,6.3V	1	
C6016	F1L2J392A022	C 3900UF, K,6.3V	1	
C6017	F1L2J562A022	C 5600UF, K,6.3V	1	
C6021-30	ECQE2105RKB	P 1UF, 250V	10	
C6031,32	F1L1E4750004	C 4.7UF, 25V	2	
C6034,35	F1L1E4750004	C 4.7UF, 25V	2	
C6037	ECQE2224KF	P 2.2UF, K,250V	1	
C6043,44	F1L1E4750004	C 4.7UF, 25V	2	
C6046	F1L1E4750004	C 4.7UF, 25V	1	
C6047	F2A2D1510004	E 150UF, 200V	1	
C6048	EEUFC1E221	E 220UF, 25V	1	
C6049	F1L1E4750004	C 4.7UF, 25V	1	
C6050,51	TCUY1C105ZFN	C 1UF, 16V	2	
C6053,54	EEUFC1E221	E 220UF, 25V	2	
C6055	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6056	EEUFC1A101	E 100UF, 10V	1	
C6057	F1L1E4750004	C 4.7UF, 25V	1	
C6058	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6060,61	F1K2J471A014	C 470UF, K,6.3V	2	
C6456	ECA2CM101	E 100UF, 160V	1	
C6457	ECA2CHG100	E 10UF, 160V	1	
C6458	F1L1E4750004	C 4.7UF, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462-65	F1L1E4750004	C 4.7UF, 25V	4	
C6466	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6467	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C6468	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6469	EEUFC1E221	E 220UF, 25V	1	
C6470	ECA1HM221	E 220UF, 50V	1	
C6471	TCUY1C105ZFN	C 1UF, 16V	1	
C6472	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6478	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6479,80	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6490	F1K2J332A014	C 3300UF, K,6.3V	1	
C6491,92	F2A2G100A017	E 100UF, 400V	2	
C6493	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6501-03	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6505	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6507	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6511,12	F1L1E4750004	C 4.7UF, 25V	2	
C6513	ECA2CM101	E 100UF, 160V	1	
C6521	F1L1E4750004	C 4.7UF, 25V	1	
C6523	ECA1VM470	E 47UF, 35V	1	
C6524	F1K2J471A014	C 470UF, K,6.3V	1	
C6526	ECA2EHG220	E 22UF, 250V	1	
C6529,30	F1K2J471A014	C 470UF, K,6.3V	2	
C6531,32	F1L1E4750004	C 4.7UF, 25V	2	
C6533,34	F1K2J471A014	C 470UF, K,6.3V	2	
C6541	F1L1E4750004	C 4.7UF, 25V	1	
C6543,44	F1K2J102A014	C 1000PF,	2	
C6546	TCUY1C105ZFN	C 1UF, 16V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6551	ECQE2224KF	P 2.2UF, K,250V	1	
C6571	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6575	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6577	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	
C6587	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6588	TCUY1C105ZFN	C 1UF, 16V	1	
C6589	F1L1E4750004	C 4.7UF, 25V	1	
C6590	TCUY1C105ZFN	C 1UF, 16V	1	
C6591	F1L1E4750004	C 4.7UF, 25V	1	
C6598	ECA1CM220	E 22UF, 16V	1	
C6601-03	F2A2D221A022	E 220UF, 200V	3	
C6607	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6608	ECA1EM471	E 470UF, 25V	1	
C6611	F1L2J392A022	C 3900UF, K,6.3V	1	
C6612	F1L2J562A022	C 5600UF, K,6.3V	1	
C6615	F1L2J562A022	C 5600UF, K,6.3V	1	
C6616	F1L2J392A022	C 3900UF, K,6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6617	F1L2J562A022	C 5600UF, K,6.3V	1	
C6621-30	ECQE2105RKB	P 1UF, 250V	10	
C6631,32	F1L1E4750004	C 4.7UF, 25V	2	
C6634,35	F1L1E4750004	C 4.7UF, 25V	2	
C6637	F1L1E4750004	C 4.7UF, 25V	1	
C6639	F1L1E4750004	C 4.7UF, 25V	1	
C6647	TCUY1C105ZFN	C 1UF, 16V	1	
C6650	ECQE2224KF	P 2.2UF, K,250V	1	
C6651,52	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6655,56	EEUFC1A101	E 100UF, 10V	2	
C6659,60	F1K2J471A014	C 470UF, K,6.3V	2	
C6901-04	TCUY1C105ZFN	C 1UF, 16V	4	
C6911,12	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6917	ECJ2XB1H221K	C 220PF, K, 50V	1	
C6931	F1L2E1040002	E 1000UF, 25V	1	
C6933	F1L2E1040002	E 1000UF, 25V	1	
C6955-58	TCUY1C105ZFN	C 1UF, 16V	4	
C6971,72	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C6977	F1L2E1040002	E 1000UF, 25V	1	
C6979	F1L2E1040002	E 1000UF, 25V	1	
C7101	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7104-06	TCUY1C105ZFN	C 1UF, 16V	3	
C7108-10	TCUY1C105ZFN	C 1UF, 16V	3	
C7135	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7138,39	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7161	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7163	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7165	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7182	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7186	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7201	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7203-06	TCUY1C105ZFN	C 1UF, 16V	4	
C7208,09	TCUY1C105ZFN	C 1UF, 16V	2	
C7218,19	TCUY1C105ZFN	C 1UF, 16V	2	
C7222	TCUY1C105ZFN	C 1UF, 16V	1	
C7226,27	ECJ1XC1H220J	C 22PF, J, 50V	2	
C7235	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7237	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7239	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7242	TCUY1C105ZFN	C 1UF, 16V	1	
C7253-56	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7266	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7268	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7270	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7272	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C8001	EEEHB1C470P	C 47PF, J, 16V	1	
C8003	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C8005	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8009	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8023	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8025	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8027	TCUY1C225KBM	C 2.2UF, 16V	1	
C8029	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8030	EEEHB1C470P	C 47PF, J, 16V	1	
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8038	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C8045	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C8049	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8071	EEEHB1C470P	C 47PF, J, 16V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8080-83	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEEHB1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8102,03	EEEHB1C470P	C 47PF, J, 16V	2	
C8105,06	EEEHB1C470P	C 47PF, J, 16V	2	
C8107	EEVHB1C471	E 470UF, 16V	1	
C8108,09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8111-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C8114	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C8115	EEEHB1C470P	C 47PF, J, 16V	1	
C8116	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8120	EEEHB1C470P	C 47PF, J, 16V	1	
C8121	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8122	EEEHB1C470P	C 47PF, J, 16V	1	
C8123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8181,82	ECJ1XC1H150J	C 15PF, J, 50V	2	
C8183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEEHB1C470P	C 47PF, J, 16V	1	
C9001,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9003	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9004	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C9006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9007-09	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C9010	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9011-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9016	F1J0J106A013	C 0.010UF, K, 16V	1	
C9017	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9019	F1J0J106A013	C 0.010UF, K, 16V	1	
C9020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9031	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9101-05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9107,08	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9151-54	TCUY1C105ZFN	C 1UF, 16V	4	
C9155	EEEHB1C470P	C 47PF, J, 16V	1	
C9156	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9201	EEEHB1C470P	C 47PF, J, 16V	1	
C9202-13	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9214	EEEHB1C470P	C 47PF, J, 16V	1	
C9215-22	ECJ1XB1C104K	C 0.1UF, Z, 16V	8	
C9234	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9235,36	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9241	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9301	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9302	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9303	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9304	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9305	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9306	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9502	F1J0J106A013	C 0.010UF, K, 16V	1	
C9503,04	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9505	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9506	ECJ1XC1H080D	C 8PF, D, 50V	1	
C9521-32	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9533	EEEHB0G221P	C 220PF, J, 4V	1	
C9541-52	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C9553	EEEHB0G221P	C 220PF, J, 4V	1	
C9561	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9562	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9602	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9604	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9606	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9608	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9610	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9612	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9614	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9616	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9618	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9620	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9622	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9624	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9626	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9628	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9630	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9632	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9634	EEEHB0G221P	C 220PF, J, 4V	1	
C9635	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9637	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9639	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9641	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9643	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9645	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9647	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9649	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9651	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9653	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9655	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9657	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9659	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9661	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9663	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9665	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9667	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9669	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9670	EEEHB0G221P	C 220PF, J, 4V	1	
C9671,72	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9676	ECJ1XC1H080D	C 8PF, D, 50V	1	
C9682,83	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9691	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9692	F1J0J106A013	C 0.010UF, K, 16V	1	
C9693	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9694	F1J0J106A013	C 0.010UF, K, 16V	1	
C9696	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9701-11	ECJ1XB1C104K	C 0.1UF, Z, 16V	11	
C9712	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9713	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9715-18	TCUY1C105ZFN	C 1UF, 16V	4	
C9721-23	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9724	ECJ1VC1H270J	C 27PF, J, 50V	1	
C9725	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9726	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9733	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9734	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9735	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9736,37	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9738	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9741	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9745	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9746	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9747-49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9750	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9761	EEEHB1C470P	C 47PF, J, 16V	1	
C9762	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9763	EEEHB1C470P	C 47PF, J, 16V	1	
C9764	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9766	EEEHB1C470P	C 47PF, J, 16V	1	
C9767	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9951	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9952	F2H1E221A007	E 2.2UF, 25V	1	
C9955	EEEHB0G221P	C 220PF, J, 4V	1	
C9957	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9959	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9961	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C9963	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9964	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C9965	F2H1E221A007	E 2.2UF, 25V	1	
C9969	ECGRL0G680R	C 68PF, J, 4V	1	
C9970	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9974	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C9975	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9981	EEEHB1C470P	C 47PF, J, 16V	1	
C9982	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9983	EEEHB0G221P	C 220PF, J, 4V	1	
C9984	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9985	F1J0J106A013	C 0.010UF, K, 16V	1	
C9986	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9988	F1J0J106A013	C 0.010UF, K, 16V	1	
C9989	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9991	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9992	EEEHB1C470P	C 47PF, J, 16V	1	
C9993	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9994	F1J0J106A013	C 0.010UF, K, 16V	1	
CB1-B7	K1MN68BA0002	68P CONNECTOR	7	
D1	K1KA20AA0335	20P CONNECTOR	1	
D3	K1KA40AA0009	40P CONNECTOR	1	
D4	K1KA14A00248	14P CONNECTOR	1	
D5	K1KA31A00007	31P CONNECTOR	1	
D10	K1KA12AA0105	12P CONNECTOR	1	
D20	K1KA20AA0008	20P CONNECTOR	1	
D25	K1KA20AA0009	20P CONNECTOR	1	
D31,32	K1MN55BA0094	55P CONNECTOR	2	
D801	B0JCPD000026	DIODE	1	
D802,03	B0JCME000037	DIODE	2	
D1550	LNJ107W5PRW	LED	1	
D1551	MA8033L	ZENER DIODE	1	
D1554	MA8033L	ZENER DIODE	1	
D2301-03	B0JCME000037	DIODE	3	
D3001	MA111	DIODE	1	(J)
D3001	MA729	DIODE	1	(HB)
D3002	MA3100M	ZENER DIODE	1	
D3003,04	MA111	DIODE	2	
D3005	LNJ206R5ARA	LED	1	
D3007,08	MA111	DIODE	2	
D3061	MA728	DIODE	1	
D3501-04	MA3056M	ZENER DIODE	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D3507-10	MA8160H	ZENER DIODE	4	
D6001,02	B0HBSN000008	DIODE	2	
D6015	B0ECHP000003	DIODE	1	
D6020	B0HBSN000008	DIODE	1	
D6021	B0ECHP000003	DIODE	1	
D6022	B0HBSN000008	DIODE	1	
D6023	B0ECHP000003	DIODE	1	
D6024	B0HBSN000008	DIODE	1	
D6029	B0HBSN000008	DIODE	1	
D6035	MA8033L	ZENER DIODE	1	
D6036	MA111	DIODE	1	
D6040,41	B0ECHP000003	DIODE	2	
D6051	B0ECHP000003	DIODE	1	
D6052,53	B0JCME000037	DIODE	2	
D6054	B0ECHP000003	DIODE	1	
D6055	B0JCME000037	DIODE	1	
D6057	B0ECHP000003	DIODE	1	
D6058-60	MA111	DIODE	3	
D6061	MA8082MTX	ZENER DIODE	1	
D6062	MA111	DIODE	1	
D6063	MA8051L	ZENER DIODE	1	
D6064	MA111	DIODE	1	
D6065	LNJ301MPUJA	LED	1	
D6066,67	MA8330M	ZENER DIODE	2	
D6070	MA111	DIODE	1	
D6451	B0JCME000037	DIODE	1	
D6452,53	MA111	DIODE	2	
D6455	MA111	DIODE	1	
D6456	B0ECHP000003	DIODE	1	
D6459	MA111	DIODE	1	
D6460,61	B0HCKS000002	DIODE	2	
D6462	B0JCME000037	DIODE	1	
D6463	MA8056H	ZENER DIODE	1	
D6464	B0JCME000037	DIODE	1	
D6465,66	MA8330M	ZENER DIODE	2	
D6467	B0ECHP000003	DIODE	1	
D6468	MA111	DIODE	1	
D6470,71	MA111	DIODE	2	
D6473	MA111	DIODE	1	
D6475	MA111	DIODE	1	
D6476	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6479	MA111	DIODE	1	
D6481,82	MA8330M	ZENER DIODE	2	
D6483-90	MA8056H	ZENER DIODE	8	
D6491,92	B0ECHP000003	DIODE	2	
D6495	B0HCKS000002	DIODE	1	
D6496	B0JCME000037	DIODE	1	
D6501,02	MA111	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6503	MA8056H	ZENER DIODE	1	
D6509	MA111	DIODE	1	
D6511	B0HCMM000014	DIODE	1	
D6512-14	MA111	DIODE	3	
D6515	MA8240M	ZENER DIODE	1	
D6516	MA111	DIODE	1	
D6519	MA111	DIODE	1	
D6520	B0JCKG000002	DIODE	1	
D6521	B0ECHP000003	DIODE	1	
D6522	MA111	DIODE	1	
D6523	B0ECHP000003	DIODE	1	
D6524	MA8051L	ZENER DIODE	1	
D6525	MA111	DIODE	1	
D6526	B0HCMM000014	DIODE	1	
D6527	MA111	DIODE	1	
D6529	B0JCME000037	DIODE	1	
D6541	B0HCKS000002	DIODE	1	
D6542	MA111	DIODE	1	
D6543	B0HCKS000002	DIODE	1	
D6544	MA111	DIODE	1	
D6545	MA8051L	ZENER DIODE	1	
D6546-48	MA8330M	ZENER DIODE	3	
D6549,50	MA111	DIODE	2	
D6551	B0JCME000037	DIODE	1	
D6552,53	MA111	DIODE	2	
D6554	B0HCKS000002	DIODE	1	
D6570	B0HCMM000014	DIODE	1	
D6572	B0ECHP000003	DIODE	1	
D6582	MA8051L	ZENER DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MA111	DIODE	1	
D6585,86	MA8330M	ZENER DIODE	2	
D6601,02	B0HBSN000008	DIODE	2	
D6615	B0ECHP000003	DIODE	1	
D6620	B0HBSN000008	DIODE	1	
D6621	B0ECHP000003	DIODE	1	
D6622	B0HBSN000008	DIODE	1	
D6623	B0ECHP000003	DIODE	1	
D6624	B0HBSN000008	DIODE	1	
D6629	B0HBSN000008	DIODE	1	
D6635	MA8033L	ZENER DIODE	1	
D6636	MA111	DIODE	1	
D6640	B0ECHP000003	DIODE	1	
D6647	B0ECHP000003	DIODE	1	
D6901-03	MA8056H	ZENER DIODE	3	
D6905	B0ECHP000003	DIODE	1	
D6909,10	B0ECHP000003	DIODE	2	
D6956,57	MA8056H	ZENER DIODE	2	
D6961,62	B0ECHP000003	DIODE	2	
D8001	MA111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D8003	MA111	DIODE	1	
D8010,11	MA153	DIODE	2	
D8180	MA111	DIODE	1	
D8181	MA8056-M	DIODE	1	
D8183	MA8033L	ZENER DIODE	1	
D8184,85	MA8056-M	DIODE	2	
D8200	MA3150M	ZENER DIODE	1	
D8201	MA111	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA111	DIODE	1	
D9301,02	MA152K	DIODE	2	
D9702-05	MA3033	ZENER DIODE	4	
D9707	MA728	DIODE	1	
D9711-13	MA152K	DIODE	3	
D9715	MA728	DIODE	1	
D9721	MA3036H	ZENER DIODE	1	
D9731	MA728	DIODE	1	
D9732-35	MA152K	DIODE	4	
D9951,52	B0JCPE000004	DIODE	2	
FL3000-03	F1J1E1040022	LC FILTER	4	
FL3006-10	F1J1E1040022	LC FILTER	5	
FL3507-09	J0HABB000004	LC FILTER	3	
FL3510-17	TLK212T256AL	EMI FILTER	8	
FL7106	J0HABH000013	LC FILTER	1	
FL7208	J0HABH000013	LC FILTER	1	
FL9001	J0MAB0000175	LC FILTER	1	
FL9601-03	F1J1E1040022	LC FILTER	3	
FL9701-03	F1J1E1040022	LC FILTER	3	
FL9705-09	F1J1E1040022	LC FILTER	5	
H0	K1KA08AA0150	8P CONNECTOR	1	
H1	K1KA80B00037	80P CONNECTOR	1	(HA)
H1	K1KA80B00037	80P CONNECTOR	1	(HB)
H37	K1KA03AA0190	3P CONNECTOR	1	
HX1	K1KB22A00036	22P CONNECTOR	1	
IC801-03	C0DBAMH00013	IC	3	
IC804	C0CBCAC00275	IC	1	
IC2301,02	C1BA00000383	IC	2	
IC2303	C1BB00001006	IC	1	
IC2305	C0ABBA000168	IC	1	
IC3001	C0JBAR000419	IC	1	(HB)
IC3001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	(J)
IC3002	C0ABGB000001	IC	1	(HB)
IC3002	C0JBBR000002	IC	1	(J)
IC3002	C3EAGC000027	IC	1	(HA)
IC3003	C0ABGB000001	IC	1	(HB)
IC3003	CXA1315M	LINEAR IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00002311	IC	1	
IC3007,08	C0JBAS000215	IC	2	
IC3101	C0DBEZG00018	IC	1	
IC3101	C1AB00002238	IC	1	
IC3102	C0DBZLB00003	IC	1	
IC3103	C1AB00002158	IC	1	
IC3104	PST9128NR	IC (LOGIC)	1	
IC3105	C0JBAZ002269	IC	1	
IC3150	C0JBAA000419	IC	1	
IC3201	C3HBKZ000002	IC	1	
IC3251	C0ZBZ0000967	IC	1	
IC3301	MM1065ZMR	LINEAR IC	1	
IC3302	C0DBEZG00018	IC	1	
IC3303	AN80L25RMS	IC	1	
IC3304	C0JBAZ002344	IC	1	
IC3305	JLC1562BF	MOS IC (MICON LSI)	1	
IC3502	TVRN650	IC	1	
IC3699	C3EBGC000065	IC	1	
IC6001-03	C0ZBZ0000895	IC	3	
IC6004	C0ZBZ0001033	IC	1	
IC6005	NJM2903M	INTEGRATED CIRCUIT	1	
IC6006	C0JBAZ000005	IC	1	
IC6011	AN1431M	LINEAR IC	1	
IC6451	AN1431M	LINEAR IC	1	
IC6452,53	C0CBALC00010	IC	2	
IC6454,55	C0CBADC00075	IC	2	
IC6456	AN1431M	LINEAR IC	1	
IC6471,72	AN1431M	LINEAR IC	2	
IC6491	AN1431M	LINEAR IC	1	
IC6501,02	C0JBAZ000994	IC	2	
IC6511	C0ZBZ0001033	IC	1	
IC6512	C0CBADC00075	IC	1	
IC6521	C0ZBZ0001033	IC	1	
IC6541,42	C0ZBZ0001033	IC	2	
IC6543	C0CBADC00075	IC	1	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601,02	C0ZBZ0000895	IC	2	
IC6605,06	C0JBAZ000005	IC	2	
IC6607	C0JBAA000174	IC	1	
IC6901-04	AN16021A-VT	IC	4	
IC6955-58	AN16021A-VT	IC	4	
IC7101	C0JBAZ001120	IC	1	
IC7104-06	C0JBAZ001120	IC	3	
IC7201-04	C0JBAZ001120	IC	4	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8003	C1AA00000706	IC	1	
IC8005	C0JBAB000646	IC	1	
IC8007	C0JBAR000419	IC	1	
IC8009	C0JBAS000215	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC8014	C0ZBZ0000911	IC	1	
IC8016	C0JBAZ001934	IC	1	
IC8100	C0CBAKG00008	IC	1	
IC8181	C1DB00001208	IC	1	
IC9001	C0FBAD000102	IC	1	
IC9002	C0CBCBC00190	IC	1	
IC9031	C0JBAZ002198	IC	1	
IC9101	C0ZBZ0000764	IC	1	
IC9102	C0JBAZ002198	IC	1	
IC9103	C0JBAE000354	IC	1	
IC9151-54	C0JBAZ000856	IC	4	
IC9201	C1ZBZ0002917	IC	1	
IC9202	C0EBD0000038	IC	1	
IC9203	TVRN628	IC	1	
IC9303	TVRN627	IC	1	
IC9500	C1ZBZ0002769	IC	1	
IC9601	MN84513-A	IC	1	
IC9602,03	C3ABPJ000071	IC	2	
IC9605	PST9128NR	IC (LOGIC)	1	
IC9701	MN102H90MPD	IC	1	
IC9702	TVRN500	IC	1	
IC9703	TVRN634	IC	1	TH-42PWD8GK/GS/UK
IC9703	TVRN635	IC	1	TH-42PWD8BK/BS/EK/ES PAVCCZ
IC9704	C0EBE0000447	IC	1	
IC9711	C0JBAE000354	IC	1	
IC9713	C0JBAS000215	IC	1	
IC9714	C0JBAZ000856	IC	1	
IC9715	C0JBAE000354	IC	1	
IC9951	C0DBAMH00013	IC	1	
IC9952	C0DBAMH00014	IC	1	
IC9953	C0DBEJG00001	IC	1	
IC9954	C0DBEGE00002	IC	1	
IC9955	C0CBCAC00282	IC	1	
J1	K1KA20AA0335	20P CONNECTOR	1	
J2	K1KA06BA0047	6P CONNECTOR	1	
J3	K1KA40AA0009	40P CONNECTOR	1	
J4	K1KA11BA0051	11P CONNECTOR	1	
J5	K1KA21B00008	21P CONNECTOR	1	
J6	K1KA21B00009	21P CONNECTOR	1	
J7,J8	K1KA03BA0055	3P CONNECTOR	2	
J10	K1KA06BA0050	6P CONNECTOR	1	
J11-13	K1KB80B00024	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
J15	K1KA03BA0047	3P CONNECTOR	1	
JK3001	K1CB106B0027	CONNECTOR	1	(HB)
JK3001	K1QBB3BB0002	CONNECTOR	1	(HA)
JK3002	K1QBB2AB0005	CONNECTOR	1	(HB)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JK3002	K2HA204B0097	JACK	1	(HA)
JK3004	K2HA204B0097	JACK	1	
JK3509	K1FB109BA018	CONNECTOR	1	
JK3511	K1FB115BA020	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	1	
JS801-16	ERJ6GEY0R00	M 0 OHM, 1/10W	16	
JS3001-08	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
JS3011-16	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3301-06	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS3308-10	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS8094-97	J0JCC0000100	CHIP INDUCTOR	4	
L801	G1C470MA0078	INDUCTOR COIL	1	
L802	G1C101MA0078	INDUCTION COIL	1	
L803	G1C220MA0078	INDUCTION COIL	1	
L804-11	J0JHC0000078	CHIP INDUCTOR	8	
L1501-08	J0JHC0000078	CHIP INDUCTOR	8	
L2330,31	G0A221ZA0041	CHOKE COIL	2	
L3001	J0HABB000003	LC FILTER	1	(HB)
L3001	J0HABB000004	LC FILTER	1	(J)
L3002	G1C100K00020	INDUCTION COIL	1	(J)
L3002	J0HABB000004	LC FILTER	1	(HA)
L3002	J0HABB000004	LC FILTER	1	(HB)
L3003	G1C100K00020	INDUCTION COIL	1	(J)
L3003	J0HABB000004	LC FILTER	1	(HA)
L3003	J0HABB000004	LC FILTER	1	(HB)
L3004	J0HABB000003	LC FILTER	1	
L3005	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
L3005	G1C100K00020	INDUCTION COIL	1	(J)
L3005	J0HABB000003	LC FILTER	1	(HA)
L3006	ELJPA100KB	CHIP INDUCTOR	1	(HA)
L3006	G1C100K00020	INDUCTION COIL	1	(J)
L3006	J0E8004B0008	LC FILTER	1	(HB)
L3007	G1C2R2K00006	INDUCTION COIL	1	
L3050	G1C100K00020	INDUCTION COIL	1	
L3051,52	ELJNA1R5JF	INDUCTION COIL	2	
L3102-04	ELJPA100KB	CHIP INDUCTOR	3	
L3140	J0JHC0000078	CHIP INDUCTOR	1	
L3201	ELJPA100KB	CHIP INDUCTOR	1	
L3251,52	ELJPA2R2MF	CHIP INDUCTOR	2	
L3305-08	ELKE103FA	NOISE FILTER	4	
L3526	ELJPA100KB	CHIP INDUCTOR	1	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L6002-04	G0ZZ00002183	PEAKING COIL	3	
L6005	G0C101K00023	PEAKING COIL	1	
L6011-13	G0AR60MA0003	CHOKE COIL	3	
L6014,15	G0A1R0MA0003	CHOKE COIL	2	
L6018	J0JJC0000021	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6019	G0ZZ00002183	PEAKING COIL	1	
L6022	J0JJC0000021	CHIP INDUCTOR	1	
L6024-27	G0ZZ00002183	PEAKING COIL	4	
L6034-37	G0ZZ00002183	PEAKING COIL	4	
L6042,43	J0JJC0000021	CHIP INDUCTOR	2	
L6047	J0JJC0000021	CHIP INDUCTOR	1	
L6050	G0ZZ00002183	PEAKING COIL	1	
L6451	J0JJC0000021	CHIP INDUCTOR	1	
L6453	J0JJC0000021	CHIP INDUCTOR	1	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6602	G0ZZ00002183	PEAKING COIL	1	
L6604,05	G0ZZ00002183	PEAKING COIL	2	
L6611-13	G0AR60MA0003	CHOKE COIL	3	
L6614,15	G0A1R0MA0003	CHOKE COIL	2	
L6618	J0JJC0000021	CHIP INDUCTOR	1	
L6624-27	G0ZZ00002183	PEAKING COIL	4	
L6634-37	G0ZZ00002183	PEAKING COIL	4	
L6647	J0JJC0000021	CHIP INDUCTOR	1	
L8001	G1C100K00020	INDUCTION COIL	1	
L8003	G1C100K00020	INDUCTION COIL	1	
L8005	G1C100K00020	INDUCTION COIL	1	
L8101-08	J0JHC0000078	CHIP INDUCTOR	8	
L8181	G1C100K00020	INDUCTION COIL	1	
L8501,02	G0A2R5H00003	CHOKE COIL	2	
L9204-06	J0JHC0000096	CHIP INDUCTOR	3	
L9501	G1C150KA0038	INDUCTION COIL	1	
L9951,52	G1C150MA0169	INDUCTION COIL	2	
PC6458	B3PBA0000223	IC	1	
PC6467	B3PBA0000223	IC	1	
PC6469	B3PBA0000223	IC	1	
PC6474	B3PBA0000223	IC	1	
PC6480	B3PBA0000223	IC	1	
PC6503	B3PBA0000233	IC	1	
PC6505	B3PBA0000233	IC	1	
PC6507	B3PBA0000233	IC	1	
PC6509,10	B3PBA0000234	IC	2	
PC6517	B3PBA0000223	IC	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2300	B1BBCF000028	TRANSISTOR	1	
Q2331	B1BBCF000028	TRANSISTOR	1	
Q2333,34	2SD601A	TRANSISTOR	2	
Q2370,71	2SB709A	TRANSISTOR	2	
Q2372	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	(J)
Q3001	2SD601A	TRANSISTOR	1	(HA)
Q6462	2SB0709A	TRANSISTOR	1	
Q6463	2SD601A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6471	B1BBCJ000004	TRANSISTOR	1	
Q6472	2SB0709A	TRANSISTOR	1	
Q6474	2SD814A	TRANSISTOR	1	
Q6476,77	2SD601A	TRANSISTOR	2	
Q6491	2SD1263A	TRANSISTOR	1	
Q6492	2SC1473A	TRANSISTOR	1	
Q6501-05	2SK620	FET	5	
Q6511,12	B1DFGL000008	TRANSISTOR	2	
Q6520	2SD601A	TRANSISTOR	1	
Q6521	B1DFES000002	TRANSISTOR	1	
Q6522-28	2SK400000L	FET	7	
Q6530	2SB1073001TV	TRANSISTOR	1	
Q6541	2SB1073001TV	TRANSISTOR	1	
Q6542	2SK399500L	FET	1	
Q6544-46	2SK399500L	FET	3	
Q6548	2SK399500L	FET	1	
Q6551	2SD601A	TRANSISTOR	1	
Q6552	B1DEET000002	TRANSISTOR	1	
Q6553	2SB1073001TV	TRANSISTOR	1	
Q6554	2SD2185	TRANSISTOR	1	
Q6555	B1DFES000002	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6583,84	2SK620	FET	2	
Q6601-03	B1JADN000001	TRANSISTOR	3	
Q6606-08	B1JADN000001	TRANSISTOR	3	
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6621	B1DEKM000001	TRANSISTOR	1	
Q6624	B1DEKM000001	TRANSISTOR	1	
Q6901	2SK620	FET	1	
Q8002	2SD601A	TRANSISTOR	1	
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q8019	2SD601A	TRANSISTOR	1	
Q8181-84	2SK2731T146	TRANSISTOR	4	
Q8200-02	2SD601A	TRANSISTOR	3	
Q9201,02	2SD601A	TRANSISTOR	2	
Q3002	2SD601A	TRANSISTOR	1	(HB)
Q3003	2SD601A	TRANSISTOR	1	(HB)
Q3003	2SD601A	TRANSISTOR	1	(J)
Q3004	2SD601A	TRANSISTOR	1	
Q3005	2SD601A	TRANSISTOR	1	
Q3006,07	2SB709A	TRANSISTOR	2	
Q3023	2SD601A	TRANSISTOR	1	
Q3051,52	2SD601A	TRANSISTOR	2	
Q3101	2SB709A	TRANSISTOR	1	(HB)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q3101	2SD601A	TRANSISTOR	1	(J)
Q3102	2SD1030	TRANSISTOR	1	(HB)
Q3102,03	2SD601A	TRANSISTOR	2	(J)
Q3104	2SD1030	TRANSISTOR	1	
Q3531,32	2SD601A	TRANSISTOR	2	
Q6001-03	B1JADN000001	TRANSISTOR	3	
Q6006-08	B1JADN000001	TRANSISTOR	3	
Q6011	2SD2185	TRANSISTOR	1	
Q6012	2SB1073001TV	TRANSISTOR	1	
Q6013	2SD2185	TRANSISTOR	1	
Q6014	2SB1073001TV	TRANSISTOR	1	
Q6021	B1DEKM000001	TRANSISTOR	1	
Q6024	B1DEKM000001	TRANSISTOR	1	
Q6025	2SK620	FET	1	
Q6041,42	B1DFKM000002	TRANSISTOR	2	
Q6045	2SK326800L	FET	1	
Q6046	B1DFKM000002	TRANSISTOR	1	
Q6051	2SD1263A	TRANSISTOR	1	
Q6052	2SC1473A	TRANSISTOR	1	
Q6055,56	2SD601A	TRANSISTOR	2	
Q6451	2SD1263A	TRANSISTOR	1	
Q6454	2SC1473A	TRANSISTOR	1	
Q6461	B1BBCJ000004	TRANSISTOR	1	
Q9702-07	2SD601A	TRANSISTOR	6	
Q9708	2SK2731T146	TRANSISTOR	1	
Q9709-12	2SD601A	TRANSISTOR	4	
Q9951-53	2SD601A	TRANSISTOR	3	
R801	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R802	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R803	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R804	ERJ3GEYJ394	M 390KOHM,J,1/16W	1	
R805	ERJ3EKF8452	M84.5KOHM, 1/16W	1	
R806	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R808,09	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R810	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R811	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R812	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R813	ERJ3EKF4222	M42.2KOHM, 1/16W	1	
R814	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R815	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R816,17	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R818	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R819	ERJ3EKF9102	M91.0KOHM, 1/16W	1	
R820	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R821	ERJ3EKF2432	M24.3KOHM, 1/16W	1	
R822	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R823	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R824	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R825-27	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1500	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3GEYF472	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYF822	M 8.2KOHM,J,1/16W	1	
R1550	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J,1/2W	6	
R2365	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R2367	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2368,69	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2370	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R2371,72	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2373	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2374	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R2376	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2377	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2383	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2384	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2385	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2386	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2387	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2388	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2389-92	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2393	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R2394-96	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R2397	ERJ6GEYJ512	M 5.1KOHM,J,1/10W	1	
R2398	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2399,00	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2404-07	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2408-11	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R2412	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2413	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2414	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R2415	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2417	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R2418,19	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R2420	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2421,22	ERJ3GEYJ183	M 18KOHM,J,1/16W	2	
R2423	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3001	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3002	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3003	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3003	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3004	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3004	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3004	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HA)
R3005	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J)
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3005	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HA)
R3006	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3006	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J)
R3006	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3007	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3007	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	(HB)
R3007	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3009	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3009	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3010	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3010	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3011	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3011	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	(J)
R3012	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	(HB)
R3012	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3013	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	(J)
R3013	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3014	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3014	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	(HB)
R3014	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3015	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3015	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3015	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3016	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3016	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3016	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3017	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3017	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3017	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3018	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3018	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3018	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3019	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3019	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3019	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3020	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3020	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3021	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3021	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3022	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HA)
R3022	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3022	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3023	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3023	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HA)
R3023	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HB)
R3024	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3024	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3025	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3025	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3025	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3026	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HA)
R3027	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3027,28	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	(J)
R3028	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3029	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HB)
R3029	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3030	ERJ3EKF3900	M 390 0HM, 1/16W	1	(HB)
R3030	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3031	ERJ3EKF4700	M 470 OHM, 1/16W	1	(HB)
R3031	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3032	ERJ3EKF1200	M 120 OHM, 1/16W	1	(HB)
R3032,33	J0JCC0000100	CHIP INDUCTOR	2	(J)
R3033	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3034	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3035	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3035	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3036	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3036	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3036	ERJ6ENF1800	M 180 OHM, 1/10W	1	(HB)
R3037	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HB)
R3037	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HA)
R3037	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3038	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	(HB)
R3038	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3039	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3040	ERJ3EKF3300	M 330 OHM, 1/16W	1	(HB)
R3040	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3041	ERJ3EKF1800	M 180 OHM, 1/16W	1	(HB)
R3041	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	(J)
R3041	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HA)
R3042	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	(HB)
R3042	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HA)
R3042	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3043	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3043	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3044	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3044	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3045	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3046	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3046	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3047	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3047	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3048	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3048	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3049	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3049	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3050	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3050	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HB)
R3051	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3051	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3052	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3052	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3053	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3053	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3054	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3054	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3055	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HB)
R3055	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3056	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HB)
R3056	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3057	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3057	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3058	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3058	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HB)
R3059	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3061	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3061	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3062	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3062	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	(J)
R3063	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3064	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3065	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HB)
R3065-69	ERJ6GEYJ560	M 56 OHM,J,1/10W	5	(J)
R3070-75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076-81	ERJ6GEYJ560	M 56 OHM,J,1/10W	6	
R3082	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3101	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3101	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3102	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3102,03	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3104	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3104,05	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HB)
R3106	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3107	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R3108	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3112,13	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3114	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3115	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3116	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3116	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HB)
R3117	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HB)
R3117	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	(J)
R3119	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3120	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3121	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3122	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R3123	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R3124	ERJ3EKF10R0	M 10 OHM, 1/16W	1	
R3125	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3125	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	(J)
R3126	J0JCC0000100	CHIP INDUCTOR	1	
R3127	ERJ6ENF12R0	M 12 OHM, 1/10W	1	
R3128,29	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3129	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HB)
R3130	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R3131	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3133	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3134	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R3135	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3136-39	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3140	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3140	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3141	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3141	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3142	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3143,44	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3145	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3147	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R3148	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3148	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3149	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	(J)
R3149	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3150,51	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	(J)
R3151	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HB)
R3152	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3152	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HB)
R3153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3154,55	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R3156	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3157	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3158	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3159	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3160	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3160	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3161	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HB)
R3161	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3162	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3163	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3164-67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3168	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R3169-72	ERJ6ENF75R0	M 75 OHM, 1/10W	4	
R3173	ERJ3EKF2200	M 220 OHM, 1/16W	1	
R3174	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3177	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3178	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3179	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3180	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3181	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3182	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3183	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3184	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3185	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3188	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R3189	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HB)
R3189,90	ERJ6ENF39R0	M 39 OHM, 1/10W	2	(J)
R3192,93	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3194,02	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3195,96	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3197,98	ERJ3GEYJ123	M 12KOHM,J,1/16W	2	
R3210,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3212-15	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	4	
R3230,31	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3251	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R3252	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3253	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3254,55	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3300,01	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3302	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3303,04	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3305	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3307	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3308,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3313	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3314,15	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3319	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3337,38	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3400	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3508,09	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3510,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3529,30	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3547,48	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3585,86	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3663,64	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3776,77	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3790,91	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6001	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6002-05	ERJ6GEYJ151	M 150 OHM,J,1/10W	4	
R6006,07	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6008,09	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6011-16	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6019-22	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6023	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6024	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6025	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6026	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6027,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6029-31	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R6033	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6034,35	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6041,42	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6049,50	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6055	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6056	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6057	ERG1FJS470D	M 47 OHM, J, 1W	1	
R6059,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6061	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6062,63	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6067	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6068	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6069,70	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R6073	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6074	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R6076	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6077,78	ERX3FJSR22D	M 2.2 OHM, J, 3W	2	
R6079,80	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6081	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6082,83	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6084	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6085,86	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6087	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6088	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6089	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6090	ERJ14YJ181U	M 181 OHM, J,1/4W	1	
R6091	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6092	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6101	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R6102	EXB38V470J	RESISTOR ARRAY	1	
R6104	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R6105	EXB38V472J	RESISTOR ARRAY	1	
R6107	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R6110	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R6118,19	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6120	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6121	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6123	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6124	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6125	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6126	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6431	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6433	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6439,40	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6450	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R6451	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6452	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R6453	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6454,55	ERJ14YJ103	M 10KOHM, J,1/4W	2	
R6456	ERJ6ENF1183	M 118KOHM, 1/10W	1	
R6457,58	ERJ6ENF2551	M2.55KOHM, 1/10W	2	
R6459	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6460	ERJ14YJ203U	M 20KOHM, 1/2W	1	
R6461	ERG1FJS471D	M 470 OHM, J, 1W	1	
R6463	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6464	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6465	ERX3FJS8R2D	M 8.2 OHM, J, 3W	1	
R6466	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6467	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6469	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R6471	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6472	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6473	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R6474	ERG1FJS121D	M 120 OHM, J, 1W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6476	ERJ6ENF2743	M 274KOHM, 1/10W	1	
R6478	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6480	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6481	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6482	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6483	ERJ14YJ752	M 75KOHM, J,1/4W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6484	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6491	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6492	ERJ6ENF2003	M 200KOHM, 1/10W	1	
R6493	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R6495,96	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498,99	ERX1FJS8R2D	M 8.2 OHM, J, 1W	2	
R6500	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6510	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6511	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6512	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6513	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6514	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6515	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6516	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6518	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6519	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6520	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6524	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J,1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6529-36	ERJ6GEYJ470	M 47 OHM,J,1/10W	8	
R6538	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6539	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6540	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6541	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6542	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6544-46	ERJ6GEYJ100	M 10 OHM,J,1/10W	3	
R6548	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6550	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6551	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6552,53	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6554	ERG1FJS101D	M 100 OHM, J, 1W	1	
R6555	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6556	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6558	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6560,61	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6562	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6563	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6565	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6566	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6567,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6570	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6571-78	ERJ6GEYJ471	M 470 OHM,J,1/10W	8	
R6580	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6581	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6586	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6587	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6588,89	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6590	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6591	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6592,93	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R6594	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6595	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6596	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6598	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6599,00	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6604	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6608,09	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611-14	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6615	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6616	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6617,18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6619,20	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6621	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6622,23	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6624	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6625	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6627,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6629	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6630	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6635-38	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6641,42	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6643,44	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6645,46	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6647,48	ERJ14YJ5R6U	M 6.2OHM, 1/4W	2	
R6649	EXB38V680J	RESISTOR ARRAY	1	
R6653	EXB38V680J	RESISTOR ARRAY	1	
R6655	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6656	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6659,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R6661,62	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6663	EXB38V472J	RESISTOR ARRAY	1	
R6664	EXB38V470J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6667,68	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6669	EXB38V472J	RESISTOR ARRAY	1	
R6670	EXB38V470J	RESISTOR ARRAY	1	
R6675	EXB38V472J	RESISTOR ARRAY	1	
R6676	EXB38V470J	RESISTOR ARRAY	1	
R6683	EXB38V470J	RESISTOR ARRAY	1	
R6686	EXB38V472J	RESISTOR ARRAY	1	
R6696	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6699	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ6GEYJ221	M 220 OHM,J,1/10W	3	
R6910,11	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6912	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6913	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6920-23	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6924	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6955	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6956-58	ERJ6GEYJ221	M 220 OHM,J,1/10W	3	
R6959	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6975-78	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6979	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7102	ERJ14YJ220	M 22 OHM, J,1/4W	1	
R7105	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7106,07	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7108	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7109	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7110,11	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7117	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7119,20	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7121	ERJ14YJ220	M 22 OHM, J,1/4W	1	
R7125	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7126-28	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R7130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7132-35	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7136-41	ERJ14YJ220	M 22 OHM, J,1/4W	6	
R7142,43	EXB38V470J	RESISTOR ARRAY	2	
R7148	EXB38V470J	RESISTOR ARRAY	1	
R7154	EXB38V470J	RESISTOR ARRAY	1	
R7161	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7162,63	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7166,67	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7170,71	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7172-74	ERJ8GEY0R00	M 0 OHM, 1/8W	3	
R7175-77	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7187	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7188	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7192	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7194	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7196	EXB38V470J	RESISTOR ARRAY	1	
R7202,03	ERJ14YJ220	M 22 OHM, J,1/4W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7204,05	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R7206,07	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7208,09	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R7210,11	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7212	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7213	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7214,15	ERJ14YJ220	M 22 OHM, J,1/4W	2	
R7217	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7218-21	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7222	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R7223	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7225	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7226-29	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7232	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7233-40	ERJ14YJ220	M 22 OHM, J,1/4W	8	
R7241,42	EXB38V470J	RESISTOR ARRAY	2	
R7243-45	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7247	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7248	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7249,50	EXB38V470J	RESISTOR ARRAY	2	
R7251-53	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7254,55	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7257,58	EXB38V470J	RESISTOR ARRAY	2	
R7259	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7261,62	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7283	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7289,90	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7293	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7296	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R7297	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R8001-04	J0JCC0000100	CHIP INDUCTOR	4	
R8009-12	ERJ3GEYJ271	M 270 OHM,J,1/16W	4	
R8017,18	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R8021	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8025	J0JCC0000100	CHIP INDUCTOR	1	
R8026	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8033	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8041	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R8045,46	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8047	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8050,51	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8055,56	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8057	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8058,59	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R8065	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8067	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8069	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R8072	J0JCC0000100	CHIP INDUCTOR	1	
R8089	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R8093	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8097,98	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R8100	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8117-20	J0JCC0000100	CHIP INDUCTOR	4	
R8121,22	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8124-27	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R8129	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8131-35	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R8181	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R8182	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8183,84	J0JCC0000100	CHIP INDUCTOR	2	
R8185,86	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8187,88	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R8189,90	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8200	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R8201	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R8202,03	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R8204	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8205	ERJ3GEYJ563	M 56KOHM,J,1/16W	1	
R8206	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R8207	J0JCC0000100	CHIP INDUCTOR	1	
R9001-03	EXB2HVR000	RESISTOR ARRAY	3	
R9004	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9005	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R9007	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9008	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9009	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9010	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9011	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9012-14	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9016-19	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9020	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9021	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9023	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9028-30	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9032	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9034	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9035-38	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9039-42	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9043,44	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	2	
R9101,02	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9104-07	ERJ3GEY0R00	M 0 OHM, 1/16W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9108	EXB38V103J	RESISTOR ARRAY	1	
R9109	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9110,11	EXB38V103J	RESISTOR ARRAY	2	
R9112	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9113-15	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9116-26	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	11	
R9127	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9129,30	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9131,32	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9133,34	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9137	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9139	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9140	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9142	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9144	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9145	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9148	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9149	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9151-53	D1HG1038A002	NETWORK RESISTER	3	
R9154	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9155	EXB38V103J	RESISTOR ARRAY	1	
R9156,57	EXB2HV470JV	RESISTOR ARRAY	2	
R9158	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9171	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9205	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9207	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9209	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9211-20	TAJAAH0101JV	M 100 OHM,J,1/16W	10	
R9221,22	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9226	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9228	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9229	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9237	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9238	EXB38V470J	RESISTOR ARRAY	1	
R9239	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9240-43	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9244	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9245	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9249-52	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9260,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9265	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9271-73	EXB2HV470JV	RESISTOR ARRAY	3	
R9274,75	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9276	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9277-79	EXB2HV470JV	RESISTOR ARRAY	3	
R9280,81	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9282	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9283	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9284	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9286	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9287,88	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9289	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9290	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9293-95	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9296	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9297	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9301	EXB38V470J	RESISTOR ARRAY	1	
R9302-05	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R9306,07	EXB2HV470JV	RESISTOR ARRAY	2	
R9308	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9309	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9310	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9311	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9312,13	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9314	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9315	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9316	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9317	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9318	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9319,20	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9321	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9322-24	EXB2HV470JV	RESISTOR ARRAY	3	
R9325	EXB38V470J	RESISTOR ARRAY	1	
R9326,27	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9328	EXB2HV470JV	RESISTOR ARRAY	1	
R9502	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9503	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9505	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9508	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9509,10	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9512-16	TAJAAH0470JV	M 47 OHM,J,1/16W	5	
R9518	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9561	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9563	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9566	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9568-70	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9571,72	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9581	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9583,84	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9585	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9586	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9591	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9593,94	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9595	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9596	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9601	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9602,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9604	TAJAAH0101JV	M 100 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9605,06	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9607	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9608	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9609	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9610,11	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9614-17	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9620	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9622	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9624	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9626-31	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9633	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9635	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9637,38	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9641	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9643,44	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9647	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9649	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9651-54	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9682,83	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9684,85	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9701-03	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9705	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9706,07	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	2	
R9708	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9709	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9710	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9711	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9713	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9714	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9715	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9716	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9718	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9720	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9722,23	EXB2HV470JV	RESISTOR ARRAY	2	
R9724	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9725-28	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9729	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9730	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9731	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9732	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9733	EXB38V220J	RESISTOR ARRAY	1	
R9734,35	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9736,37	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9738	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9739	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9740	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9741	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9742	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9743	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9744	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9747	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9748-50	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9751,52	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9753	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9754	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9755	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9756	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9757	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9759	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9760	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9761	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9762	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R9764	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9765	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9766	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9767	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9768	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9769	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9771	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9772,73	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9774	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9775	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9777	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9778,79	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9781	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9782	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9783	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9785	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9786-88	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9791	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9792	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9793	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9795	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9796	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9797	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9798	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9801	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9805	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9806	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9810	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9811	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9812	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9813	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9814	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9815	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9816	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9817	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9818	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9819	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9820,21	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9822	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9823	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9824	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9825	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9826	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9829	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9830	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9832	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9833	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9834	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9836,37	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9839	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9840	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9843	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9844	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9845-55	TAJAAH0101JV	M 100 OHM,J,1/16W	11	
R9857	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9860	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9861	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9863	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9864	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9865	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9866	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9868-70	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9871	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9872,73	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9874	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9875	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9876-79	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9880	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9881	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9882	EXB38VR000	RESISTOR ARRAY	1	
R9883	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9884	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9885	EXB38VR000	RESISTOR ARRAY	1	
R9891-93	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9894	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9895-97	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9951	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9953	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9954	ERJ6ENF2322	M23.2KOHM, 1/10W	1	
R9955	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9956	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9957	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9961	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9963	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9964	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R9965	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9966	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R9967	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9971	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9973	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R9974	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R9976,77	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9981	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9982	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9983	ERJ6ENF1601	M 1.6KOHM, 1/10W	1	
R9984	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9985	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9991,92	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9993	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9994-96	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
RM001	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNPA3003	CIRCUIT BOARD H3	1	⚠
RTL	TNPA3630AB	CIRCUIT BOARD J	1	⚠
RTL	TZTNP020YNS	CIRCUIT BOARD HX	1	⚠
RTL	TXNHA10RBS	CIRCUIT BOARD HA	1	TH-42PWD8UK ⚠
RTL	TXNHB10QXS	CIRCUIT BOARD HB	1	TH-42PWD8UK ⚠
RTL	TXNHB10QXS	CIRCUIT BOARD HB	1	TH-42PWD8BK/BS/EK/ES PAVCCZ ⚠
RTL	TNPA3570	CIRCUIT BOARD P	1	⚠
RTL	TNPA3545	CIRCUIT BOARD C1	1	⚠
RTL	TNPA3546	CIRCUIT BOARD C2	1	⚠
RTL	TZTNP01YNSU	CIRCUIT BOARD D	1	TH-42PWD8GK/GS/UK ⚠
RTL	TZTNP01YNSE	CIRCUIT BOARD D	1	TH-42PWD8BK/BS/EK/ES PAVCCZ ⚠
RTL	TNPA3543	CIRCUIT BOARD SC	1	⚠
RTL	TNPA3243	CIRCUIT BOARD SD	1	⚠
RTL	TNPA3544	CIRCUIT BOARD SS	1	⚠
RTL	TNPA3242	CIRCUIT BOARD SU	1	⚠
RTL	TNPA3640	CIRCUIT BOARD V1	1	⚠
RTL	TNPA3641	CIRCUIT BOARD V2	1	⚠
RTL	TNPA3642	CIRCUIT BOARD S1	1	⚠
S34	K1KA03AA0193	3P CONNECTOR	1	
SC2	K1KA06AA0192	6P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA03AA0193	3P CONNECTOR	1	
SC41,42	K1ML80BA0001	80P CONNECTOR	2	
SC45,46	K1KA10A00431	10P CONNECTOR	2	
SD1-D3	K1MN80B00004	80P CONNECTOR	3	
SD46	K1KA10B00209	10P CONNECTOR	1	
SS11	K1KA07AA0192	7P CONNECTOR	1	
SS12	K1KA05AA0192	5P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41-44	K1MN13B00020	13P CONNECTOR	4	
SU1-U3	K1MN80B00004	80P CONNECTOR	3	
SU45	K1KA10B00209	10P CONNECTOR	1	
SW061	K0F162B00002	SWITCH	1	
SW1550-54	EVQPLHA15	SWITCH	5	⚠
T6461	ETS13TB139AP	SWITCHING TRANS	1	
T6471	ETS19AA259AC	SWITCHING TRANS	1	
V2	K1KA06BA0047	6P CONNECTOR	1	
V15	K1KA03BA0047	3P CONNECTOR	1	
VR6074	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6477	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
VR6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X2301	H0J184500020	CRYSTAL	1	
X3101	H0J202500002	CRYSTAL	1	
X8181	H0J327200114	CRYSTAL	1	
X9501	H0J200500038	CRYSTAL	1	
X9701	H0J400400017	CRYSTAL	1	
ZA001	K4CD01000013	TERMINAL	1	
ZA007	K4CD01000013	TERMINAL	1	
ZA3001-08	K4CD01000013	TERMINAL	8	
ZA6001-04	K4CD01000013	TERMINAL	4	
ZA6601-03	K4CD01000013	TERMINAL	3	
ZA7101,02	K4CD01000013	TERMINAL	2	
ZA7104	K4CD01000013	TERMINAL	1	
ZA7201	K4CD01000013	TERMINAL	1	
ZA7203,04	K4CD01000013	TERMINAL	2	
C402	ECJ2XC1H101J	C 100PF, J, 50V	1	
C403	ECKCNA222MEB	C 2200PF, M	1	⚠
C404	F0CAF105A021	C 1UF, 250V	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C405	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C407	ECA2WHG220	E 22UF, 450V	1	
C409	F0CAF105A021	C 1UF, 250V	1	⚠
C410	ECJ3YB1E105K	C 1UF, K, 25V	1	
C411-14	ECJ2XB1H103K	C 0.01UF, K, 50V	4	
C415,16	F1A3A102A040	C 1000PF, J, 1KV	2	
C417	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C418	F1J1C1050011	C 1UF, Z, 50V	1	
C419	F1A3A102A040	C 1000PF, J, 1KV	1	
C421,22	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C424	F1A3A102A040	C 1000PF, J, 1KV	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429,30	F1K2J1530002	C 0.15PF, J,630V	2	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432-34	F1J1C1050011	C 1UF, Z, 50V	3	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446	F2B2W3910005	C 390UF, 450V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF,J,1.2KV	1	
C459	F1K2J1530002	C 0.15PF, J,630V	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C465	ECKCNA221KB7	C 220PF, M,	1	⚠
C467	ECKCNA221KB7	C 220PF, M,	1	⚠
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C470	F0CAF105A021	C 1UF, 250V	1	⚠
C471	F1J1C1050011	C 1UF, Z, 50V	1	
C473	ECKCNA221KB7	C 220PF, M,	1	⚠
C476	ECKCNA221KB7	C 220PF, M,	1	⚠
C482	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C490	ECJ2XC1H331J	C 330PF, J, 50V	1	
C491	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C492	ECJ2XC1H271J	C 270PF, J, 50V	1	
C493	ECA1EM101	E 100UF, 25V	1	
C494,95	ECJ2XC1H101J	C 100PF, J, 50V	2	
C496	F1J1C1050011	C 1UF, Z, 50V	1	
C497	ECA1EM221	E 220UF, 25V	1	
C498	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C501-03	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C504	F1J1C1050011	C 1UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506-08	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C509	ECA1EM101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECA1EM331	E 330UF, 25V	1	
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	ECA1CM222	E 2200UF, 16V	1	
C516	ECJ2XB1C474K	C 0.47UF, K, 16V	1	
C517	F2D1E1010001	E 10UF, 25V	1	
C518,19	F1J1C1050011	C 1UF, Z, 50V	2	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C525	F2A1E8210012	E 820UF, 25V	1	
C526	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2VB1H333K	C 0.033UF, K, 50V	2	
C548	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C551-53	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C554	F1J1C1050011	C 1UF, Z, 50V	1	
C555	ECA2AM101	E 100UF, 100V	1	
C556	F2A1C1520009	E 1500UF, 16V	1	
C557	F2A1E1520089	E 1500UF, 25V	1	
C562	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C572	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	ECA2AM330	E 33UF, 100V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C587	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C591,92	F1K2J1530002	C 0.15PF, J,630V	2	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECA1HM470	E 47UF, 50V	1	
C604,05	F2A2C1510004	E 150UF, 160V	2	
C606,07	F1J1C1050011	C 1UF, Z, 50V	2	
C608,09	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2D1720001	E 1700UF,@ 200V	1	
C612	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C615	F2B2D1720001	E 1700UF,@ 200V	1	
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ3YB1E105K	C 1UF, K, 25V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C629	ECJ2XB1H103K	C 0.01UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C631	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C633	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C636	F1J1C1050011	C 1UF, Z, 50V	1	
C637	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	
C646,47	ECJ2XC1H331J	C 330PF, J, 50V	2	
D401	B0FBAT000006	DIODE	1	
D402	MA4240MTA	ZENER DIODE	1	
D403	MA4051NM	ZENER DIODE	1	
D404	B0EBKT000007	DIODE	1	
D406	MA4200M	ZENER DIODE	1	
D407	MA188	DIODE	1	
D410	MA111	DIODE	1	
D411	B0BB17000010	DIODE	1	
D412-14	MA111	DIODE	3	
D415	B0JAME000081	DIODE	1	
D417	RU30A	DIODE	1	
D418	MA4082M	ZENER DIODE	1	
D419,20	RU30A	DIODE	2	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D427-29	ERA15-10	DIODE	3	
D431	B0JCDD000002	DIODE	1	
D433	MA4150M	ZENER DIODE	1	
D434	MA4082M	ZENER DIODE	1	
D435	ERA15-10	DIODE	1	
D436	MA188	DIODE	1	
D437	MA4082M	ZENER DIODE	1	
D438	MA4150M	ZENER DIODE	1	
D439	MA4130HTA	ZENER DIODE	1	
D440	MA4300M	ZENER DIODE	1	
D441	B0HAMM000122	DIODE	1	
D442	MA4075M	ZENER DIODE	1	
D443	MA4240MTA	ZENER DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA165	DIODE	1	
D459	MA188	DIODE	1	
D461	MA4082M	ZENER DIODE	1	
D462	MA142WKTX	ZENER DIODE	1	
D463-67	ERA15-10	DIODE	5	
D501	B0HANR000016	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000081	DIODE	1	
D506	MA4051NM	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D507,08	MA4150M	ZENER DIODE	2	
D509,10	B0HANM000028	DIODE	2	
D511	B0HBSM000043	DIODE	1	
D514	MA4062M	ZENER DIODE	1	
D521	B0HAMP000067	DIODE	1	
D528,29	MA153	DIODE	2	
D530	MA4100M	ZENER DIODE	1	
D531,32	B0HAPR000012	DIODE	2	
D534	B0JBSG000026	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSL000013	DIODE	1	
D538	MA3051M	ZENER DIODE	1	
D539	B0HBRP000007	DIODE	1	
D542	MA4180HTA	ZENER DIODE	1	
D543	MA4150M	ZENER DIODE	1	
D544,45	MA4180HTA	ZENER DIODE	2	
D549	MA4075M	ZENER DIODE	1	
D551	MA4130M	ZENER DIODE	1	
D552	MA4082M	ZENER DIODE	1	
D555	MA4075M	ZENER DIODE	1	
D559	MA4075M	ZENER DIODE	1	
D563	MA4062M	ZENER DIODE	1	
D564	MAZ72000AF	ZENER DIODE	1	
D565	MA4160M	ZENER DIODE	1	
D566	B0HAMM000122	DIODE	1	
D568	MA3J142D0L	DIODE	1	
D569-71	MA4300M	ZENER DIODE	3	
D572	MA188	DIODE	1	
D574	MA111	DIODE	1	
D575	MA188	DIODE	1	
D579	MA111	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D584	MA4075M	ZENER DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
IC401	CNC1S171R	IC	1	⚠
IC402	C0BBAA000038	IC	1	
IC403,04	CNC1S171R	IC	2	⚠
IC406	C0DAZZZ00021	IC	1	
IC407	C0DBAZZ00111	IC	1	
IC408,09	CNC1S171R	IC	2	⚠
IC411	C0BBAA000038	IC	1	
IC412	CNC1S171R	IC	1	
IC501	C2ABDD000064	IC	1	⚠
IC502	C0EBH0000190	IC	1	
IC503,04	C0DAEMB00004	IC	2	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC507	C0CBABE00023	IC	1	
IC509	C0DABZZ00010	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	C9ZB00000496	IC	1	
L402	EXCELSA24	BEAD CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00003	INDUCTION COIL	2	⚠
L501	EXCELSA35	BEAD CHOKE	1	
L502	TALL08N102JA	INDUCTION COIL	1	
L506	EXCELDR25C	BEAD CHOKE	1	
L509	J0JBC0000032	CHIP INDUCTOR	1	
L510	EXCELDR25C	BEAD CHOKE	1	
P2	K1KA06AA0479	6P CONNECTOR	1	
P5	K1KA11AA0183	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06AA0182	6P CONNECTOR	1	
P11	K1KA07AA0192	7P CONNECTOR	1	
P12	K1KA05AA0192	5P CONNECTOR	1	
P23	K1KA03AA0182	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
P30	K1KA05AA0182	5P CONNECTOR	1	
PR401	K5Y502BA0001	FUSE	1	
PR402	K5G202B00015	FUSE	1	
PR501	K5H502Z00003	FUSE	1	
PR503	K5H502Z00003	FUSE	1	
PR509	K5H501Z00005	FUSE	1	
PR601	K5G312B00012	FUSE	1	
Q401	B1CHND000004	TRANSISTOR	1	
Q403	B1CBGD000001	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEHQ000007	TRANSISTOR	1	
Q407	XN4601	TRANSISTOR	1	
Q408,09	B1CHND000004	TRANSISTOR	2	
Q412,13	B1DAGQ000013	TRANSISTOR	2	
Q414	B1ABCF000134	TRANSISTOR	1	
Q415	2SB1218ARL	TRANSISTOR	1	
Q417	B1CHND000004	TRANSISTOR	1	
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q423,24	B1CBGD000001	TRANSISTOR	2	
Q430	B1CEJQ000002	TRANSISTOR	1	
Q431	B1DEGS000001	TRANSISTOR	1	
Q432	B1CEJQ000002	TRANSISTOR	1	
Q433	B1CBGD000001	TRANSISTOR	1	
Q434	B1CEJQ000002	TRANSISTOR	1	
Q435	B1CBGD000001	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q436	B1CEJQ000002	TRANSISTOR	1	
Q438	B1CBGD000001	TRANSISTOR	1	
Q439	B1CHND000004	TRANSISTOR	1	
Q440,41	2SD1819A	TRANSISTOR	2	
Q501,02	2SD1820A	TRANSISTOR	2	
Q503	XN0440100L	TRANSISTOR	1	
Q505	B1CEJQ000002	TRANSISTOR	1	
Q506	B1CHND000004	TRANSISTOR	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	XN0450100L	TRANSISTOR	1	
Q509	XN0440100L	TRANSISTOR	1	
Q510	B1DHBD000004	TRANSISTOR	1	
Q511	B1CFND000005	TRANSISTOR	1	
Q512	B1CBGD000001	TRANSISTOR	1	
Q516	B1DHBD000004	TRANSISTOR	1	
Q517	B1HFCFA00021	TRANSISTOR	1	
Q518	B1DEHL000018	TRANSISTOR	1	
Q519	B1DEHF000002	TRANSISTOR	1	
Q520	B1HFCFA00021	TRANSISTOR	1	
Q525	B1CBGD000001	TRANSISTOR	1	
Q527	B1DEHL000018	TRANSISTOR	1	
Q530	B1CBGD000001	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q536-38	B1CFQD000001	TRANSISTOR	3	
Q541	B1CBGD000001	TRANSISTOR	1	
Q544	XN0440100L	TRANSISTOR	1	
Q550	B1CHGD000006	TRANSISTOR	1	
Q551,52	B1CBGD000001	TRANSISTOR	2	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHBD000004	TRANSISTOR	1	
Q557	2SD1819A	TRANSISTOR	1	
Q558	B1CHHG000002	TRANSISTOR	1	
Q559	2SD1819A	TRANSISTOR	1	
Q560	B1CHHG000002	TRANSISTOR	1	
Q561,62	2SD1819A	TRANSISTOR	2	
Q564,65	2SD1819A	TRANSISTOR	2	
Q567	B1CBGD000001	TRANSISTOR	1	
R401	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R402	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R403	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R404	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R405	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R407	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R408	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R410,11	D1F5100E0002	F 3.3 OHM, 5W	2	⚠
R412	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R413	D1F5100E0002	F 3.3 OHM, 5W	1	⚠
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R416	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R420	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R422	ERJ8GEYJ181	M 180 OHM, J,1/8W	1	
R423	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ8GEYJ103	M 10KOHM, J,1/8W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ8GEYJ103	M 10KOHM, J,1/8W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R435	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERG12SJ120	M 12 OHM, J,1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R445	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R446	ERX2SJR39H	M0.39 OHM, J, 2W	1	
R447	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R448,49	D0XGR10JA007	RESISTOR ARRAY	2	
R450	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R453	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R455	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R456,57	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R461	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R466,67	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R469	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R470	ERX2SJR39H	M0.39 OHM, J, 2W	1	
R471	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R474	ERG1SJ104P	M 100KOHM, J, 1W	1	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J,1/4W	2	
R478	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R479	ERG1SJ104P	M 100KOHM, J, 1W	1	
R480	ERJ6ENF9102	M91.0KOHM, 1/10W	1	
R481	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R483	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R485	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R486,87	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	2	
R488	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	
R489	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R492	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R493	ERG12SJ120	M 12 OHM, J,1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R501	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J,1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R523	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R524	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R528	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R530	ERJ6RBD3302	M 3.3KOHM,F,1/10W	1	
R531	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R532	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R533	ERJ8GEYJ223	M 22KOHM, J,1/8W	1	
R534	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R535,36	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R537	ERJ6ENF3602	M 36KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R539	ERJ6RBD1002	M 1.0KOHM, 1/10W	1	
R540	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R541	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R542	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R543	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546,47	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R548	ERJ8GEYJ102	M 1KOHM, J,1/8W	1	
R549	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R550	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R551	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R552	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R553	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R554	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R557	ERJ8GEYJ471	M 470 OHM, J,1/8W	1	
R558	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R559	ERJ6RBD4702	M 47KOHM, 1/10W	1	
R560	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R561	ERJ6ENF4301	M 4.3KOHM, 1/10W	1	
R562	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R563	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R564	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R565	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R566	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R567	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R568,69	ERG2SJ181	M 180 OHM, J, 2W	2	
R570	ERJ8GEYJ102	M 1KOHM, J,1/8W	1	
R571	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R572,73	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R574	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R575	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R576	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R577,78	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R579	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R580,81	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R584	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R585	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R586,87	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R588	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R589,90	ERJ8GEYJ123	M 12KOHM, J,1/8W	2	
R591	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R595	ERJ8GEYJ222	M 2.2KOHM, J,1/8W	1	
R596	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R597,98	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R599,00	ERJ8GEYJ391	M 390 OHM, J,1/8W	2	
R601	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R602	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R603	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R604	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R606	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R607	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R608	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R609	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R610,11	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R612	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R613	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R614	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R615-17	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R618	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R619	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R620	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R621	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R622	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R623	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R624	ERX2SJR22	M0.22 OHM, J, 2W	1	
R625	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R630	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R631	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R633	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R634	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R640	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R641	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R642-44	ERJ8RQFR68	M 0.68OHM, J,1/8W	3	
R645	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R646,47	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R651	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R652	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R653	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R654	ERJ8GEYJ101	M 100 OHM, J,1/8W	1	
R655	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R656	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R657	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R658	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R659	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMAASA00B53	CONTROL 5KOHMB	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R662	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R663	ERJ3GEYJ2R2	M 2.2 OHM,J,1/16W	1	
R664	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R665	EVMAASA00B23	CONTROL 2KOHMB	1	
R666	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R667,68	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R669	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R670	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R671	EVMAASA00B14	CONTROL 10KOHMB	1	
R674	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R675	ERJ3GEYJ2R2	M 2.2 OHM,J,1/16W	1	
R676	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R677	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R678	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R679,80	ERJ8RQJR39	M0.39 OHM, 1/8W	2	
R681	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R682	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R683	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R684	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R685	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R686	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R687	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R688	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R689	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R690	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R691	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R692,93	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R694	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R695	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R696	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	
R697	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R698	ERJ8RQJR39	M0.39 OHM, 1/8W	1	
R702	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R703,04	ERG2SJ101	M 100 OHM, J, 2W	2	
R706	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R707	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R708	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R712	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R713	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R901	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R903-06	ERJ8ENF1203	M 12KOHM, 1/8W	4	
R907	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R908	ERJ6GEYJ335	M 3.3MOHM,J,1/10W	1	
R909-11	ERJ6GEYJ106	M 10MOHM,J,1/10W	3	
R912	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R913,14	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R915	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R916	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R917	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R918	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R920	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R921	ERJ6RBD3092	M30.9KOHM,F,1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R925	ERJ6GEYJ335	M 3.3MOHM,J,1/10W	1	
R926,27	ERG2DJW224E	M 220KOHM, J, 2W	2	
R928-31	ERJ8ENF1203	M 12KOHM, 1/8W	4	
R932	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
RL402	TSEH8011	RELAY	1	⚠
RL403	TSE10801	RELAY	1	⚠
S401,02	J0LT00000009	SWITCH	2	⚠
T401	G4D4A0000107	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	⚠
T404	G4D4A0000109	SWITCHING TRANSFORMER	1	⚠
T407	ETQ11K5AZ	CHOKE TRANS	1	⚠
T410	G4D2A0000229	SWITCHING TRANSFORMER	1	⚠
T601	G4D2A0000227	SWITCHING TRANSFORMER	1	
W2	ERDS2TJ391	C 390 OHM, J,1/4W	1	
X501	H2B400400021	CRYSTAL	1	
Z1,Z2	K4ZZ01000206	TERMINAL	2	
Z410	TMM7464-2	CLAMPER	1	
Z411	TMME190	CLAMPER	1	
Z412	TMM7443-3	CLAMPER	1	
Z413	TMM7464-2	CLAMPER	1	
Z414	TMME190	CLAMPER	1	
Z420	TMM23417	CLAMPER	1	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZN401,02	D4EAD6210001	VARISTOR	2	⚠
ZN403	D4EA8511A001	VARISTOR	1	⚠
ZN404	D4EAB681A011	VARISTOR	1	⚠

20. Schematic Diagram for printing with A4

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15 Block and Schematic Diagrams

15.1. Schematic Diagram Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is µF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source .... AC120V, 50/60Hz (GK/GS/UK)
   AC220-240V, 50/60Hz (BK/BS/EK/ES)
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.

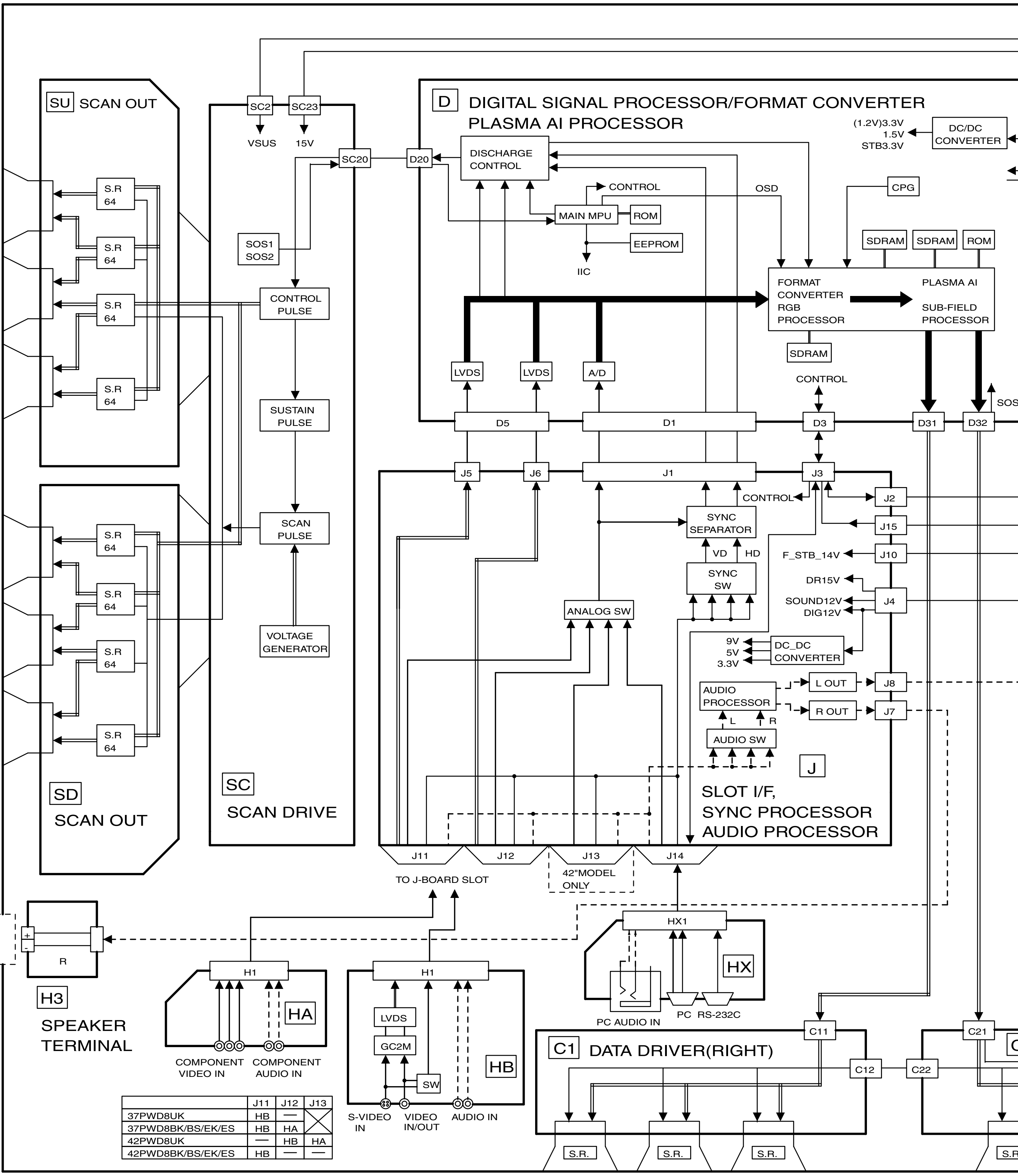
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

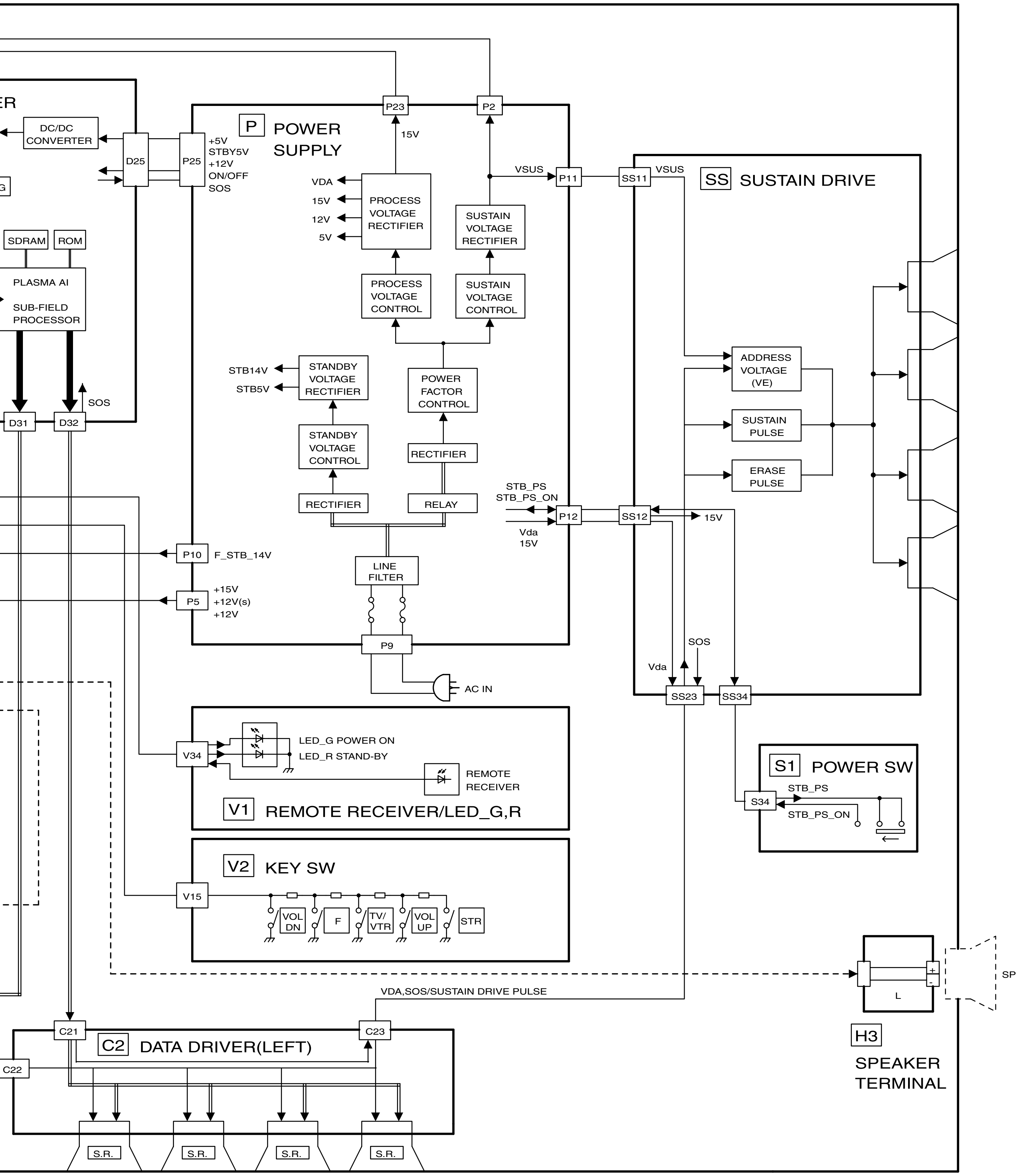
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
     Connect the earth of instruments to the earth connection of the circuit being measured.
   - d. Make sure to disconnect the power plug before removing the chassis.

)

15.2. Main Block Diagram

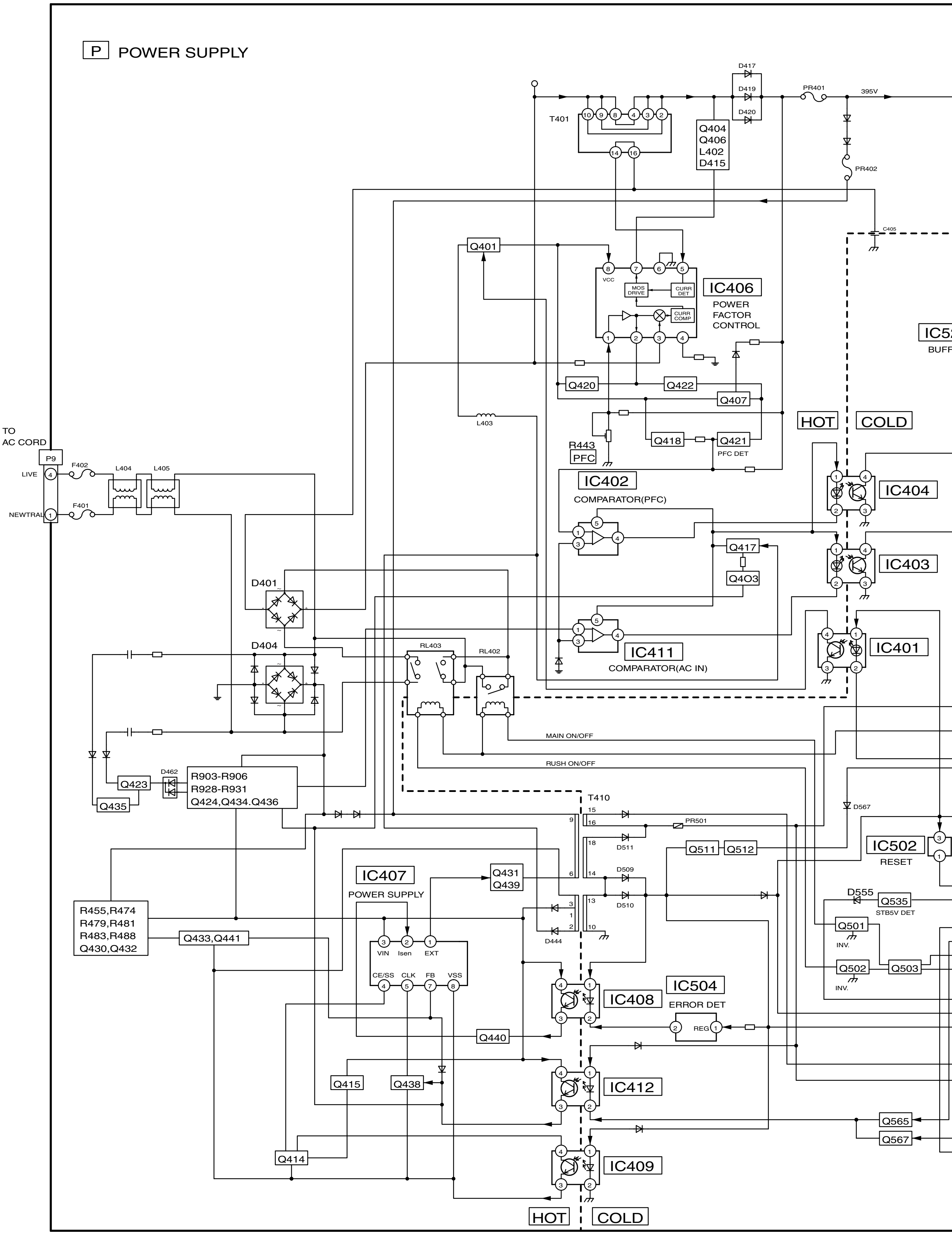

SU SCAN OUT
S.R 64
SD SCAN OUT
SC2
SC23
VSUS
15V
SC20
SOS1
SOS2
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SC SCAN DRIVE
D DIGITAL SIGNAL PROCESSOR/FORMAT CONVERTER
PLASMA AI PROCESSOR
D20
DISCHARGE CONTROL
CONTROL
MAIN MPU
ROM
EEPROM
IIC
OSD
CPG
(1.2V)3.3V
1.5V
STB3.3V
DC/DC CONVERTER
SDRAM
SDRAM
ROM
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
SDRAM
CONTROL
SOS
LVDS
LVDS
A/D
D5
D1
D3
D31
D32
J5
J6
J1
J3
J2
J15
J10
J4
J8
J7
CONTROL
SYNC SEPARATOR
VD
HD
SYNC SW
F_STB_14V
DR15V
SOUND12V
DIG12V
ANALOG SW
9V
5V
3.3V
DC_DC CONVERTER
AUDIO PROCESSOR
L OUT
R OUT
L
R
AUDIO SW
J
SLOT I/F,
SYNC PROCESSOR
AUDIO PROCESSOR
J11
J12
J13
J14
TO J-BOARD SLOT
42"MODEL ONLY
SP
+
-
R
H3
SPEAKER TERMINAL
H1
HA
COMPONENT VIDEO IN
COMPONENT AUDIO IN
H1
LVDS
GC2M
SW
HB
S-VIDEO IN
VIDEO IN/OUT
AUDIO IN
HX1
HX
PC AUDIO IN
PC
RS-232C
C11
C1 DATA DRIVER(RIGHT)
C12
C22
C21
S.R.
S.R.
S.R.
S.R

	J11	J12	J13
37PWD8UK	HB	—	
37PWD8BK/BS/EK/ES	HB	HA	
42PWD8UK	—	HB	HA
42PWD8BK/BS/EK/ES	HB	—	—

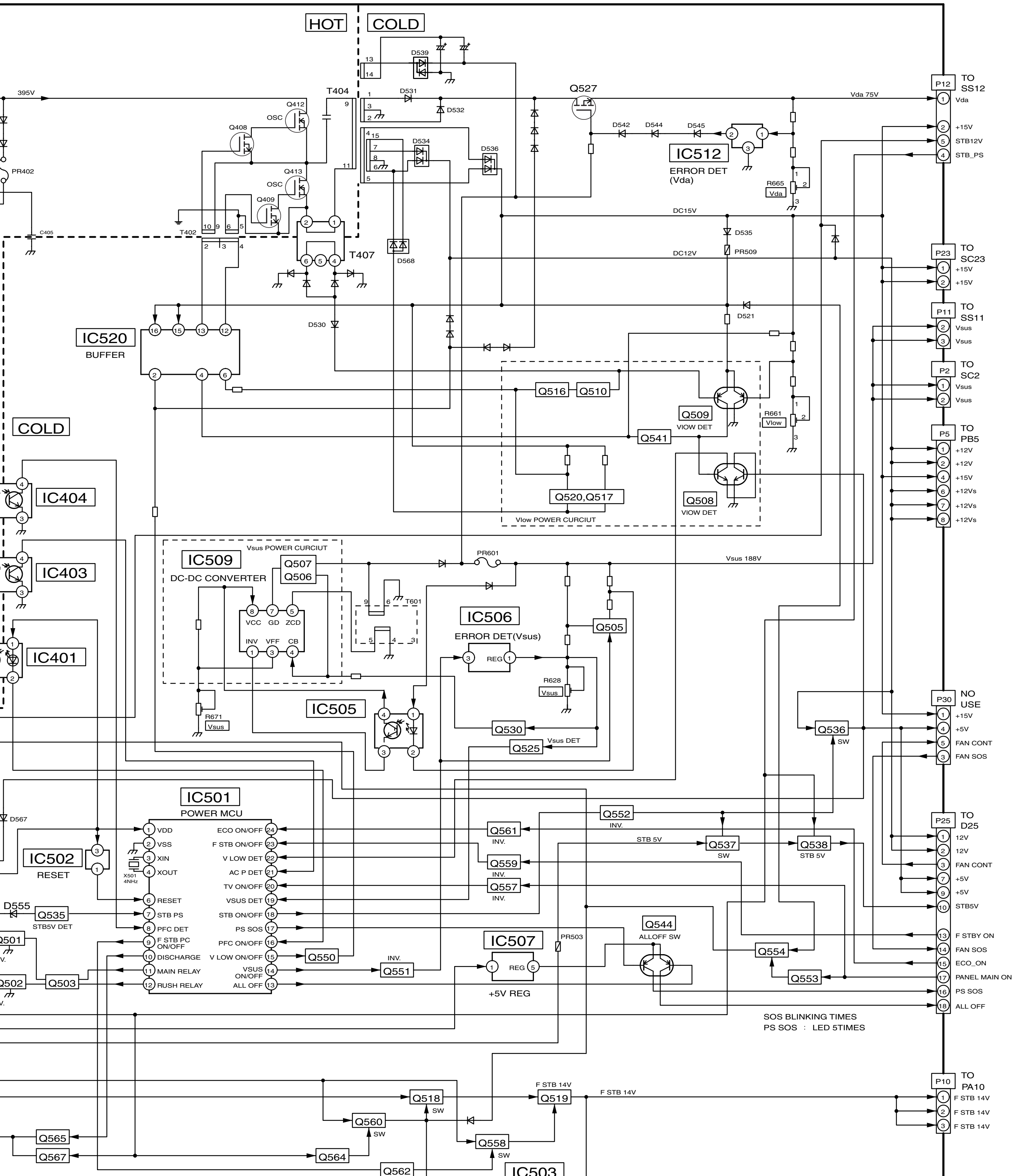

P POWER SUPPLY
P23
P2
15V
VSUS
P11
+5V
STBY5V
+12V
ON/OFF
SOS
DC/DC CONVERTER
D25
P25
SDRAM
ROM
PLASMA AI
SUB-FIELD PROCESSOR
D31
D32
SOS
VDA
15V
12V
5V
PROCESS VOLTAGE RECTIFIER
SUSTAIN VOLTAGE RECTIFIER
PROCESS VOLTAGE CONTROL
SUSTAIN VOLTAGE CONTROL
STB14V
STB5V
STANDBY VOLTAGE RECTIFIER
POWER FACTOR CONTROL
STANDBY VOLTAGE CONTROL
RECTIFIER
RECTIFIER
RELAY
STB_PS
STB_PS_ON
P12
Vda
15V
LINE FILTER
P10
F_STB_14V
P5
+15V
+12V(s)
+12V
P9
AC IN
SS11
VSUS
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS12
15V
SOS
Vda
SS23
SS34
V34
LED_G POWER ON
LED_R STAND-BY
REMOTE RECEIVER
V1 REMOTE RECEIVER/LED_G,R
S1 POWER SW
S34
STB_PS
STB_PS_ON
V2 KEY SW
V15
VOL DN
F
TV/ VTR
VOL UP
STR
+
-
L
SP
H3
SPEAKER TERMINAL
VDA,SOS/SUSTAIN DRIVE PULSE
C21
C23
C2 DATA DRIVER(LEFT)
C22
S.R.
S.R.
S.R.
S.R.

TH-37/42PWD8 SERIES
Main Block Diagram

15.3. P-Board Block Diagram

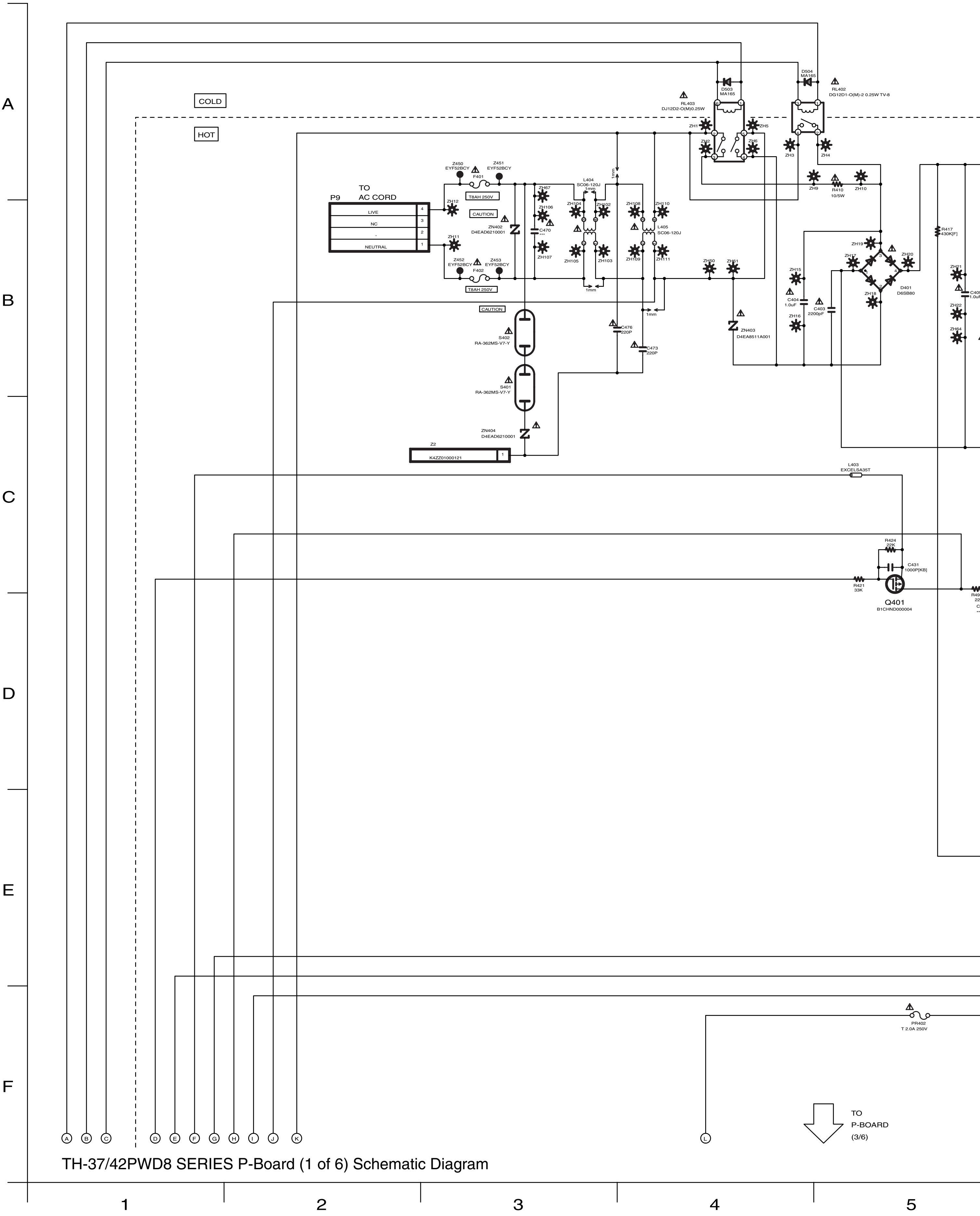

P
POWER SUPPLY
TO
AC CORD
P9
LIVE
NEWTRAL
F402
F401
L404
L405
D401
D404
D417
D419
D420
PR401
395V
PR402
C405
T401
Q404
Q406
L402
D415
Q401
IC406
POWER
FACTOR
CONTROL
VCC
MOS DRIVE
CURR DET
CURR COMP
L403
Q420
Q422
Q407
R443
PFC
Q418
Q421
PFC DET
IC402
COMPARATOR(PFC)
Q417
Q403
IC411
COMPARATOR(AC IN)
RL403
RL402
HOT
COLD
IC404
IC403
IC401
IC5
BUFF
MAIN ON/OFF
RUSH ON/OFF
D462
Q423
Q435
R903-R906
R928-R931
Q424,Q434,Q436
T410
PR501
D511
D509
D510
D444
D567
Q511
Q512
IC502
RESET
D555
Q535
STB5V DET
Q501
INV.
Q502
Q503
R455,R474
R479,R481
R483,R488
Q430,Q432
Q433,Q441
IC407
POWER SUPPLY
VIN
Isen
EXT
CE/SS
CLK
FB
VSS
Q431
Q439
IC408
IC504
ERROR DET
REG
Q440
IC412
Q415
Q438
Q565
Q567
Q414
IC409
HOT
COLD

TH-37/42PWD8 SERIES
P-Board Block Diagram


HOT
COLD
395V
PR402
C405
Q412
OSC
Q408
Q413
OSC
Q409
T402
T404
D531
D532
D539
D534
D536
T407
D568
Q527
Vda 75V
D542
D544
D545
IC512
ERROR DET
(Vda)
R665
Vda
DC15V
D535
PR509
DC12V
D521
D530
IC520
BUFFER
COLD
IC404
IC403
IC401
Q516
Q510
Q509
VIOW DET
R661
Vlow
Q541
Q520,Q517
Q508
VIOW DET
Vlow POWER CURCIUT
Vsus POWER CURCIUT
IC509
DC-DC CONVERTER
Q507
Q506
VCC
GD
ZCD
INV
VFF
CB
T601
PR601
Vsus 188V
IC506
ERROR DET(Vsus)
REG
Q505
R628
Vsus
R671
Vsus
IC505
Q530
Q525
Vsus DET
D567
IC501
POWER MCU
VDD
VSS
XIN
XOUT
X501
4NHz
RESET
STB PS
PFC DET
F STB PC
ON/OFF
DISCHARGE
MAIN RELAY
RUSH RELAY
ECO ON/OFF
F STB ON/OFF
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS
ON/OFF
ALL OFF
IC502
RESET
D555
Q535
STB5V DET
Q501
Q502
Q503
Q550
Q551
INV.
Q561
INV.
Q559
INV.
Q557
INV.
Q552
INV.
STB 5V
Q537
SW
Q538
STB 5V
Q536
SW
IC507
REG
PR503
+5V REG
Q544
ALLOFF SW
Q554
Q553
SOS BLINKING TIMES
PS SOS : LED 5TIMES
Q518
SW
F STB 14V
Q519
F STB 14V
Q560
SW
Q558
SW
Q565
Q567
Q564
Q562
INV.
IC503
ERROR DET
P12
TO
SS12
Vda
+15V
STB12V
STB_PS
P23
TO
SC23
+15V
+15V
P11
TO
SS11
Vsus
Vsus
P2
TO
SC2
Vsus
Vsus
P5
TO
PB5
+12V
+12V
+15V
+12Vs
+12Vs
+12Vs
P30
NO
USE
+15V
+5V
FAN CONT
FAN SOS
P25
TO
D25
12V
12V
FAN CONT
+5V
+5V
STB5V
F STBY ON
FAN SOS
ECO_ON
PANEL MAIN ON
PS SOS
ALL OFF
P10
TO
PA10
F STB 14V
F STB 14V
F STB 14V

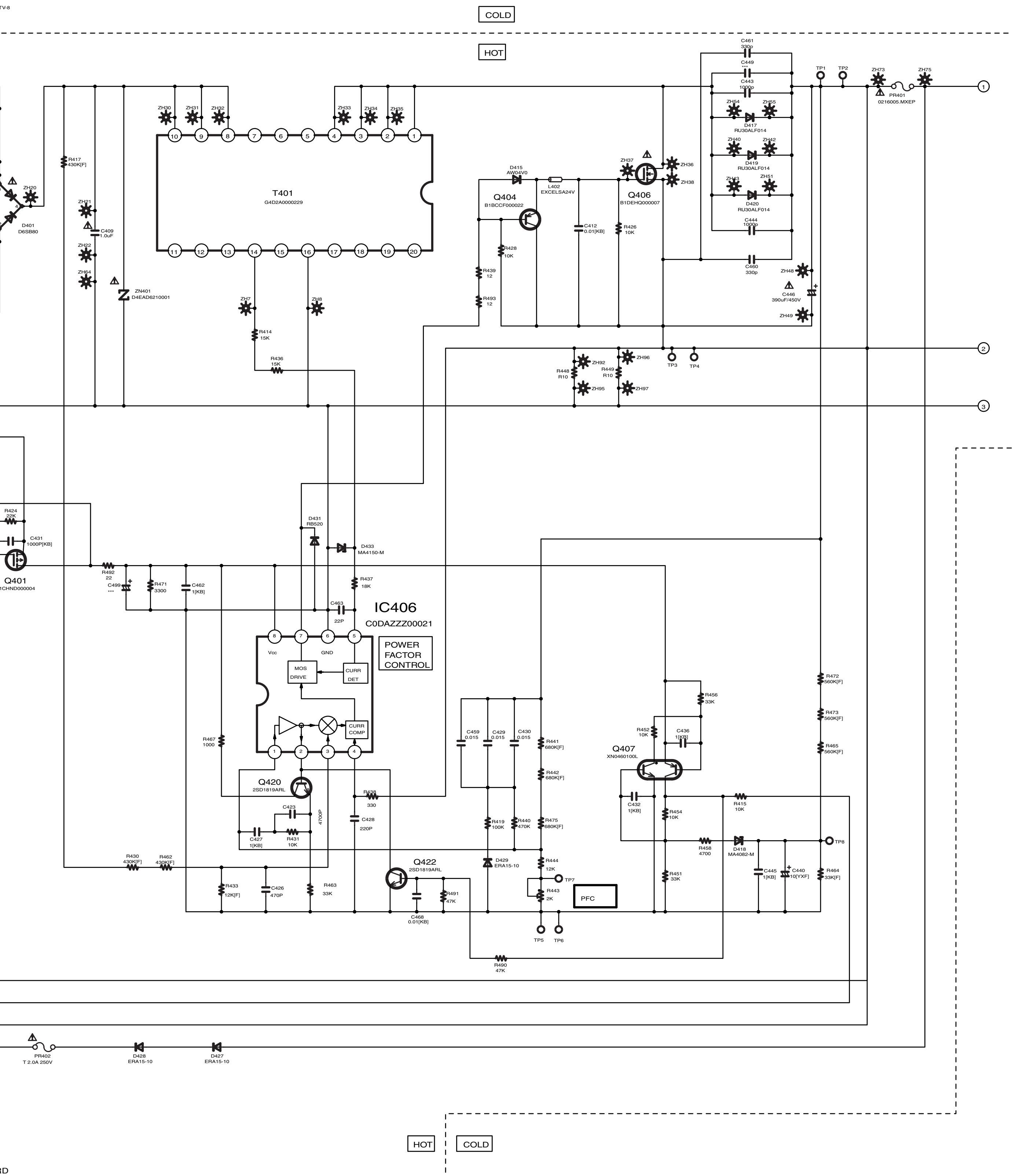
TH-37/42PWD8 SERIES
P-Board Block Diagram

15.4. P-Board (1 of 6) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
COLD
HOT
P9
TO
AC CORD
LIVE
NC
-
NEUTRAL
4
3
2
1
Z450
EYF52BCY
Z451
EYF52BCY
F401
T8AH 250V
Z452
EYF52BCY
Z453
EYF52BCY
F402
T8AH 250V
ZH12
ZH11
CAUTION
ZN402
D4EAD6210001
ZH67
ZH106
C470
***
ZH107
L404
SC06-120J
1mm
ZH104
ZH102
ZH105
ZH103
ZH108
ZH110
L405
SC06-120J
ZH109
ZH111
1mm
1mm
1mm
CAUTION
S402
RA-362MS-V7-Y
S401
RA-362MS-V7-Y
ZN404
D4EAD6210001
Z2
K4ZZ01000121
1
C476
220P
C473
220P
RL403
DJ12D2-O(M)0.25W
D503
MA165
D504
MA165
RL402
DG12D1-O(M)-2 0.25W TV-8
ZH1
ZH2
ZH5
ZH6
ZH3
ZH4
ZH9
R410
10/5W
ZH10
ZH50
ZH61
ZN403
D4EA8511A001
ZH15
C404
1.0uF
ZH16
C403
2200pF
ZH19
ZH17
ZH20
ZH18
D401
D6SB80
R417
430K[F]
ZH21
C409
1.0uF
ZH22
ZH64
L403
EXCELSA35T
R424
22K
C431
1000P[KB]
R421
33K
Q401
B1CHND000004
R49
22
PR402
T 2.0A 250V
A
B
C
D
E
F
G
H
I
J
K
L
TO
P-BOARD
(3/6)

TH-37/42PWD8 SERIES P-Board (1 of 6) Schematic Diagram

P-BOARD TNPA3570 (1/6)

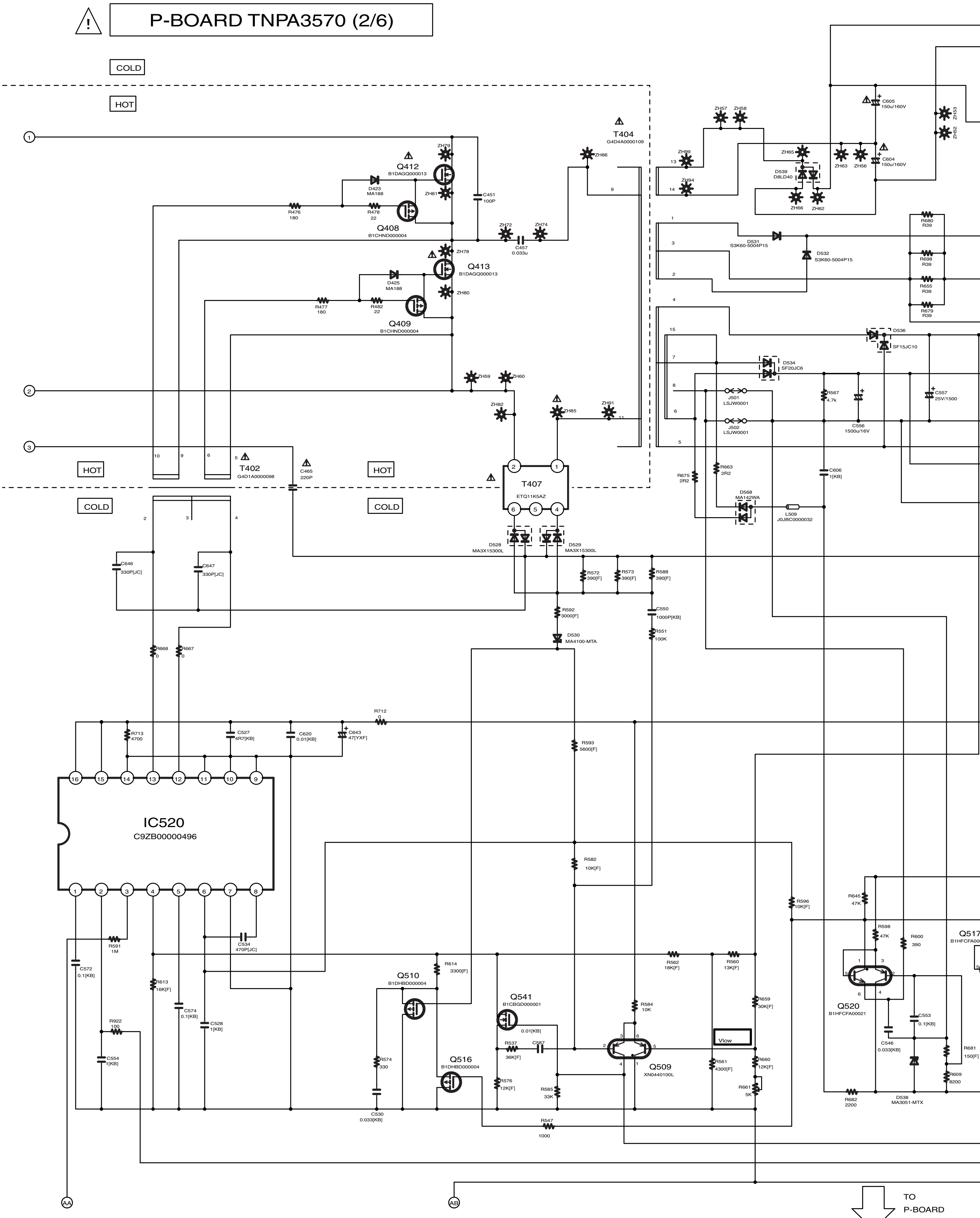


COLD
HOT
T401
G4D2A0000229
ZH30
ZH31
ZH32
ZH33
ZH34
ZH35
ZH20
ZH21
ZH22
ZH64
ZH7
ZH8
R417
430K[F]
D401
D6SB80
C409
1.0uF
ZN401
D4EAD6210001
R414
15K
R436
15K
D415
AW04V0
L402
EXCELSA24V
Q404
B1BCCF000022
Q406
B1DEHQ000007
ZH37
ZH36
ZH38
C412
0.01[KB]
R426
10K
R428
10K
R439
12
R493
12
C461
330p
C449
C443
1000p
ZH54
ZH55
D417
RU30ALF014
ZH40
ZH42
D419
RU30ALF014
ZH43
ZH51
D420
RU30ALF014
C444
1000p
C460
330p
ZH48
C446
390uF/450V
ZH49
TP1
TP2
ZH73
ZH75
PR401
0216005.MXEP
TP3
TP4
R448
R10
R449
R10
ZH92
ZH95
ZH96
ZH97
R424
22K
C431
1000P[KB]
Q401
1CHND000004
R492
22
C499
R471
3300
C462
1[KB]
D431
RB520
D433
MA4150-M
R437
18K
C463
22P
IC406
C0DAZZZ00021
POWER FACTOR CONTROL
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
R467
1000
Q420
2SD1819ARL
C423
4700P
C427
1[KB]
R431
10K
R438
330
C428
220P
R430
430K[F]
R462
430K[F]
R433
12K[F]
C426
470P
R463
33K
Q422
2SD1819ARL
R491
47K
C468
0.01[KB]
C459
0.015
C429
0.015
C430
0.015
R441
680K[F]
R442
680K[F]
R419
100K
R440
470K
R475
680K[F]
D429
ERA15-10
R444
12K
R443
2K
TP7
TP5
TP6
PFC
R490
47K
R456
33K
R452
10K
C436
1[KB]
Q407
XN0460100L
C432
1[KB]
R454
10K
R451
33K
R415
10K
R458
4700
D418
MA4082-M
C445
1[KB]
C440
10[YXF]
R464
33K[F]
TP8
R472
560K[F]
R473
560K[F]
R465
560K[F]
PR402
T 2.0A 250V
D428
ERA15-10
D427
ERA15-10
1
2
3

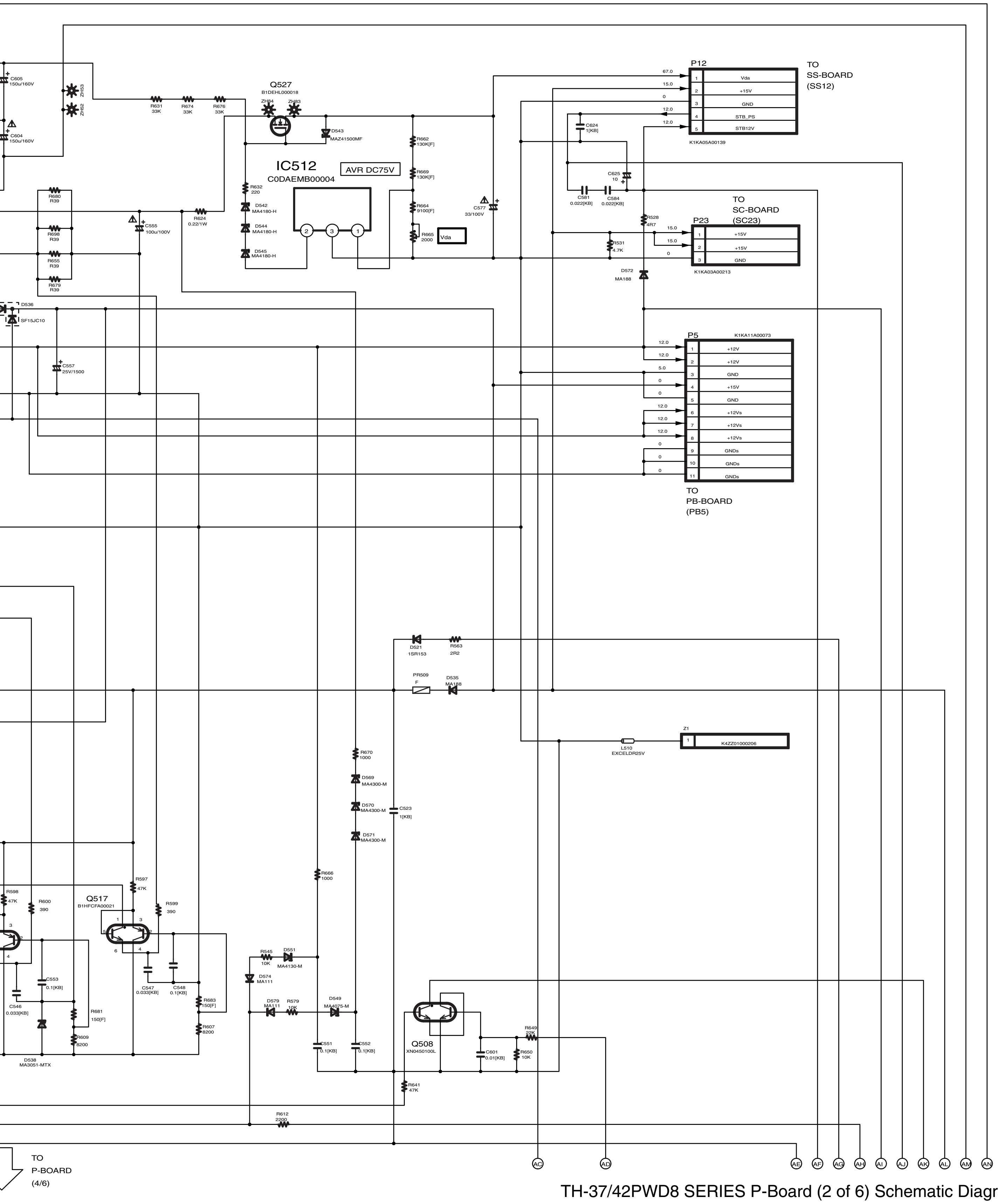
TH-37/42PWD8 SERIES
P-Board (1 of 6) Schematic Diagram

5 6 7 8 9

15.5. P-Board (2 of 6) Schematic Diagram


P-BOARD TNPA3570 (2/6)
COLD
HOT
T404
G4D4A0000109
Q412
B1DAGQ000013
D423
MA188
R476
180
R478
22
Q408
B1CHND000004
C451
100P
C457
0.033u
Q413
B1DAGQ000013
D425
MA188
R477
180
R482
22
Q409
B1CHND000004
T402
G4D1A0000098
C465
220P
T407
ETQ11K5AZ
D528
MA3X15300L
D529
MA3X15300L
C646
330P[JC]
C647
330P[JC]
R668
0
R667
0
R572
390[F]
R573
390[F]
R588
390[F]
R592
3000[F]
C550
1000P[KB]
R551
100K
D530
MA4100-MTA
R712
0
R713
4700
C527
4R7[KB]
C620
0.01[KB]
C643
47[YXF]
R593
5600[F]
IC520
C9ZB00000496
R582
10K[F]
R591
1M
C534
470P[JC]
C572
0.1[KB]
R613
16K[F]
C574
0.1[KB]
C528
1[KB]
R922
100
C554
1[KB]
Q510
B1DHBD000004
R614
3300[F]
R574
330
C530
0.033[KB]
Q516
B1DHBD000004
Q541
B1CBGD000001
0.01[KB]
R537
36K[F]
C587
R576
12K[F]
R585
33K
R547
1000
R584
10K
Q509
XN0440100L
R562
18K[F]
R560
13K[F]
Vlow
R561
4300[F]
R659
30K[F]
R660
12K[F]
R661
5K
R596
10K[F]
R645
47K
R598
47K
R600
390
Q520
B1HFCFA00021
Q517
B1HFCFA00
C553
0.1[KB]
C546
0.033[KB]
R681
150[F]
R609
8200
R682
2200
D538
MA3051-MTX
C605
150u/160V
C604
150u/160V
D539
D8LD40
D531
S3K60-5004P15
D532
S3K60-5004P15
R680
R39
R698
R39
R655
R39
R679
R39
D536
SF15JC10
D534
SF20JC6
J501
LSJW0001
J502
LSJW0001
R567
4.7k
C556
1500u/16V
C557
25V/1500
R675
2R2
R663
2R2
C606
1[KB]
D568
MA142WA
L509
J0JBC0000032
ZH53
ZH52
ZH56
ZH57
ZH58
ZH59
ZH60
ZH62
ZH63
ZH65
ZH66
ZH72
ZH74
ZH78
ZH79
ZH80
ZH81
ZH82
ZH85
ZH86
ZH91
ZH94
ZH99
AA
AB
TO
P-BOARD
(4/6)

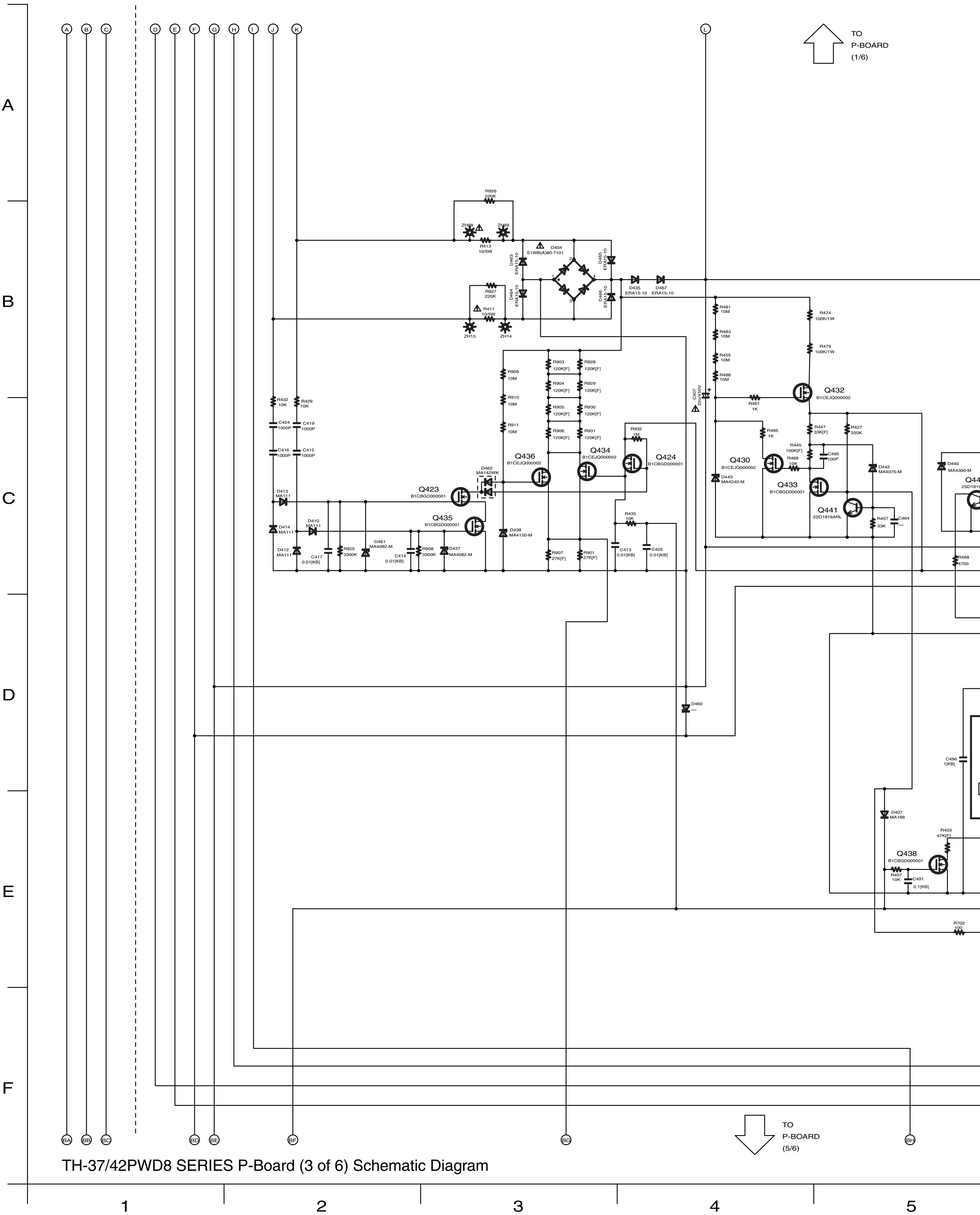
TH-37/42PWD8 SERIES P-Board (2 of 6) Schematic Diagram


P12
TO
SS-BOARD
(SS12)
Vda
+15V
GND
STB_PS
STB12V
K1KA05A00139
67.0
15.0
0
12.0
12.0
Q527
B1DEHL000018
ZH84
ZH83
ZH53
ZH52
C605
150u/160V
C604
150u/160V
R631
33K
R674
33K
R676
33K
D543
MAZ41500MF
R662
130K[F]
R669
130K[F]
R664
9100[F]
R665
2000
Vda
IC512
C0DAEMB00004
AVR DC75V
R632
220
D542
MA4180-H
D544
MA4180-H
D545
MA4180-H
R680
R39
R698
R39
R655
R39
R679
R39
C555
100u/100V
R624
0.22/1W
C577
33/100V
C624
1[KB]
C625
10
C581
0.022[KB]
C584
0.022[KB]
TO
SC-BOARD
(SC23)
P23
+15V
+15V
GND
K1KA03A00213
R528
4R7
R531
4.7K
D572
MA188
D536
SF15JC10
C557
25V/1500
P5
K1KA11A00073
+12V
+12V
GND
+15V
GND
+12Vs
+12Vs
+12Vs
GNDs
GNDs
GNDs
TO
PB-BOARD
(PB5)
D521
1SR153
R563
2R2
PR509
F
D535
MA188
Z1
K4ZZ01000206
L510
EXCELDR25V
R670
1000
D569
MA4300-M
D570
MA4300-M
D571
MA4300-M
C523
1[KB]
R666
1000
R597
47K
R598
47K
R600
390
Q517
B1HFCFA00021
R599
390
C547
0.033[KB]
C548
0.1[KB]
R683
150[F]
R607
8200
C553
0.1[KB]
C546
0.033[KB]
R681
150[F]
R609
8200
D538
MA3051-MTX
R545
10K
D551
MA4130-M
D574
MA111
D579
MA111
R579
10K
D549
MA4075-M
C551
0.1[KB]
C552
0.1[KB]
Q508
XN0450100L
C601
0.01[KB]
R649
22K
R650
10K
R641
47K
R612
2200
TO
P-BOARD
(4/6)
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN

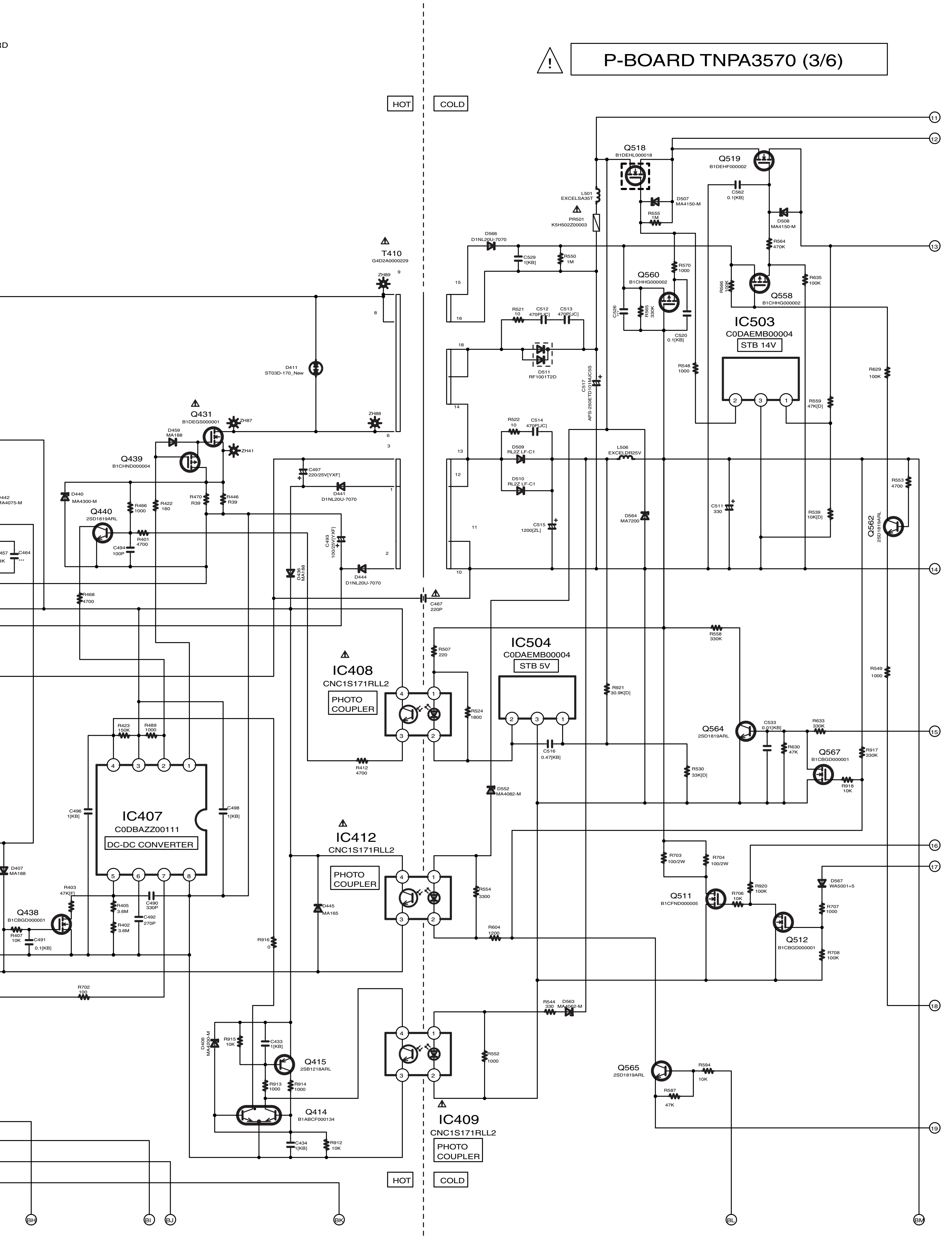
TH-37/42PWD8 SERIES P-Board (2 of 6) Schematic Diagram

14	15	16	17	18

15.6. P-Board (3 of 6) Schematic Diagram


A
B
C
D
E
F
G
H
I
J
K
L
TO
P-BOARD
(1/6)
A
B
C
D
E
F
R926
220K
ZH68
ZH69
R413
10/5W
D404
S1WB(A)80-7101
D463
ERA15-10
D465
ERA15-10
1
2
3
4
R927
220K
D464
ERA15-10
D466
ERA15-10
D435
ERA15-10
D467
ERA15-10
R411
10/5W
ZH13
ZH14
R903
120K[F]
R928
120K[F]
R904
120K[F]
R929
120K[F]
R905
120K[F]
R930
120K[F]
R906
120K[F]
R931
120K[F]
R909
10M
R910
10M
R911
10M
R432
10K
R429
10K
C424
1000P
C419
1000P
C416
1000P
C415
1000P
C407
22u/450V
R932
1M
Q436
B1CEJQ000002
Q434
B1CEJQ000002
Q424
B1CBGD000001
D462
MA142WK
Q423
B1CBGD000001
Q435
B1CBGD000001
D413
MA111
D414
MA111
D410
MA111
D412
MA111
C417
0.01[KB]
R925
3300K
D461
MA4082-M
C414
0.01[KB]
R908
3300K
D437
MA4082-M
D438
MA4150-M
R907
27K[F]
R901
27K[F]
R435
10K
C413
0.01[KB]
C425
0.01[KB]
R481
10M
R483
10M
R455
10M
R488
10M
R474
100K/1W
R479
100K/1W
R461
1K
Q432
B1CEJQ000002
R485
1K
R447
33K[F]
R427
330K
R445
100K[F]
C495
100P
R469
10K
Q430
B1CEJQ000002
D443
MA4240-M
D442
MA4075-M
Q433
B1CBGD000001
Q441
2SD1819ARL
R457
33K
C464
***
D440
MA4300-M
Q44
2SD181
R468
4700
D460
***
C496
1[KB]
D407
MA188
R403
47K[F]
Q438
B1CBGD000001
R407
10K
C491
0.1[KB]
R702
100
BA
BB
BC
BD
BE
BF
BG
BH
TO
P-BOARD
(5/6)
1
2
3
4
5

TH-37/42PWD8 SERIES P-Board (3 of 6) Schematic Diagram

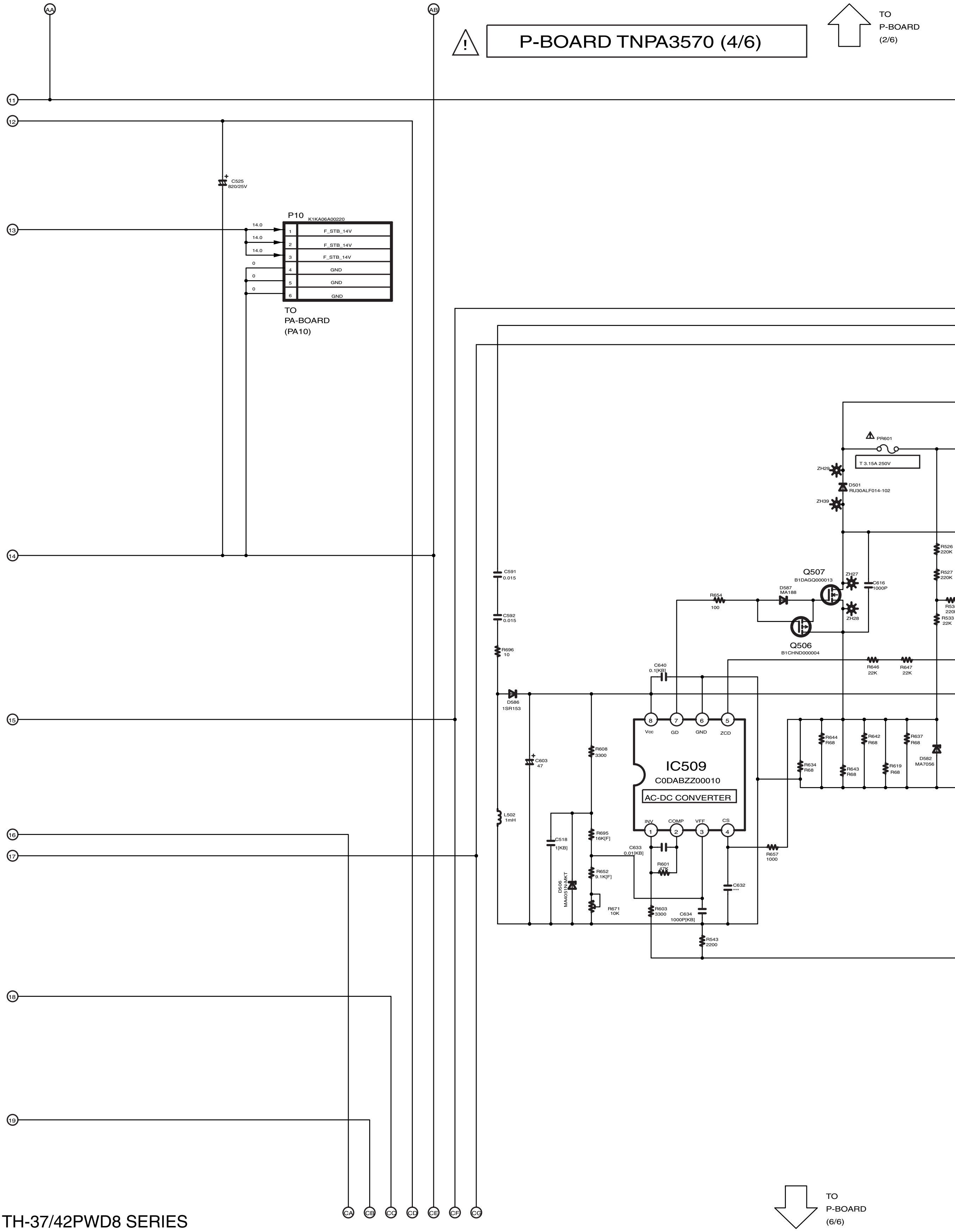


P-BOARD TNPA3570 (3/6)
HOT
COLD
T410
G4D2A0000229
D411
ST03D-170_New
Q431
B1DEGS000001
Q439
B1CHND000004
Q440
2SD1819ARL
IC408
CNC1S171RLL2
PHOTO COUPLER
IC407
C0DBAZZ00111
DC-DC CONVERTER
IC412
CNC1S171RLL2
PHOTO COUPLER
Q438
B1CBGD000001
Q415
2SB1218ARL
Q414
B1ABCF000134
IC409
CNC1S171RLL2
PHOTO COUPLER
Q518
B1DEHL000018
Q519
B1DEHF000002
L501
EXCELSA35T
PR501
K5H502Z00003
D566
D1NL20U-7070
Q560
B1CHHG000002
Q558
B1CHHG000002
IC503
C0DAEMB00004
STB 14V
D511
RF1001T2D
C517
APS-250ETD101MJC5S
L506
EXCELDR25V
D509
RL2Z LF-C1
D510
RL2Z LF-C1
D564
MA7200
Q562
2SD1819ARL
IC504
C0DAEMB00004
STB 5V
Q564
2SD1819ARL
Q567
B1CBGD000001
Q511
B1CFND000005
Q512
B1CBGD000001
D567
WA5001=5
Q565
2SD1819ARL
D552
MA4082-M
D563
MA4062-M
C467
220P
11
12
13
14
15
16
17
18
19
BH
BI
BJ
BK
BL
BM

TH-37/42PWD8 SERIES P-Board (3 of 6) Schematic Diagram

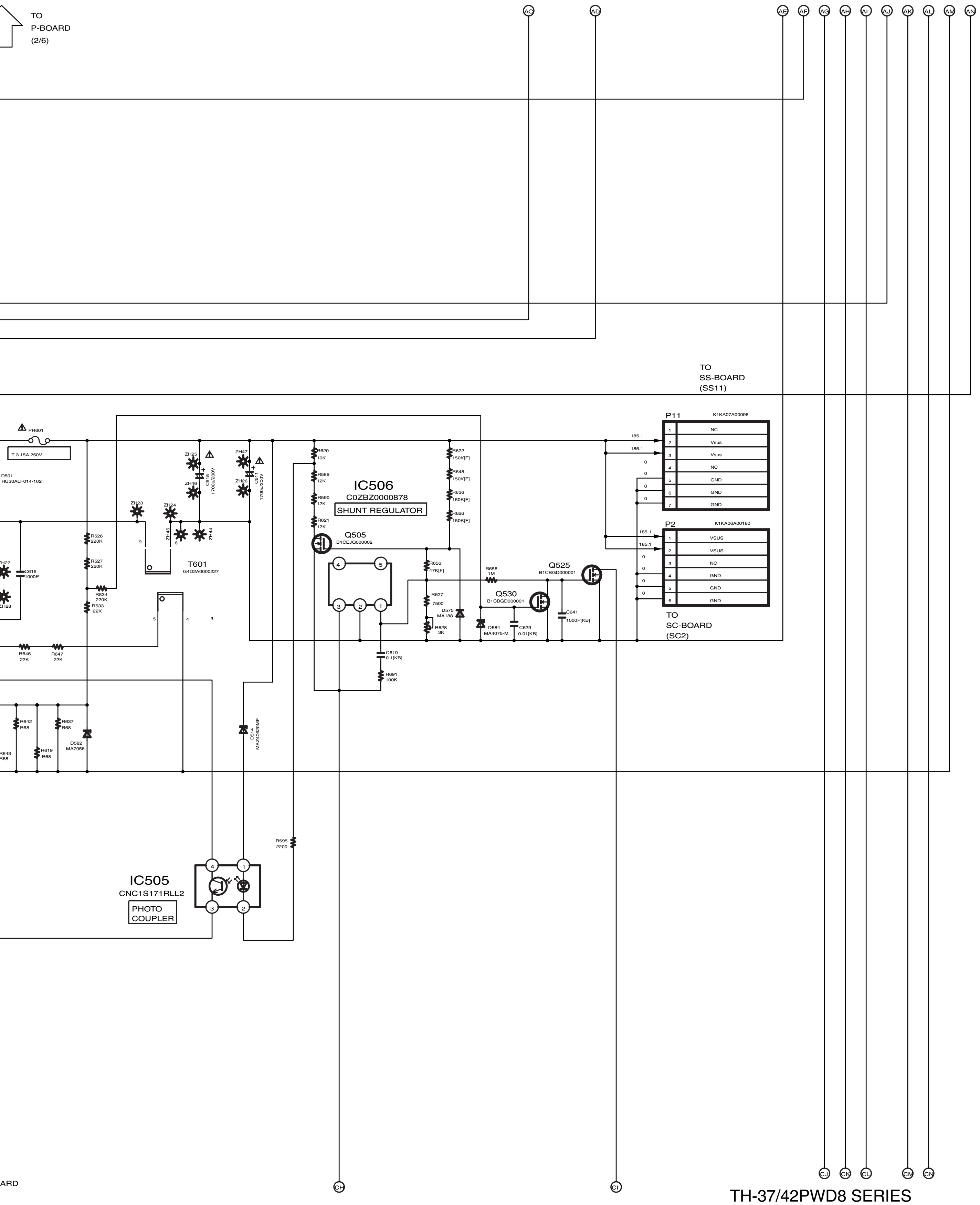
5 6 7 8 9

15.7. P-Board (4 of 6) Schematic Diagram


AA
AB
P-BOARD TNPA3570 (4/6)
TO
P-BOARD
(2/6)
11
12
13
14
15
16
17
18
19
C525
820/25V
P10
K1KA06A00220
14.0
14.0
14.0
0
0
0
1 F_STB_14V
2 F_STB_14V
3 F_STB_14V
4 GND
5 GND
6 GND
TO
PA-BOARD
(PA10)
PR601
T 3.15A 250V
ZH29
D501
RU30ALF014-102
ZH39
R526
220K
R527
220K
Q507
B1DAGQ000013
ZH27
C616
1000P
D587
MA188
R654
100
ZH28
R533
22K
Q506
B1CHND000004
R646
22K
R647
22K
C591
0.015
C592
0.015
R696
10
C640
0.1[KB]
D586
1SR153
8 Vcc
7 GD
6 GND
5 ZCD
IC509
C0DABZZ00010
AC-DC CONVERTER
1 INV
2 COMP
3 VFF
4 CS
C603
47
R608
3300
L502
1mH
C518
1[KB]
R695
16K[F]
C633
0.01[KB]
R601
47K
R652
9.1K[F]
D506
MA4051N-MKT
R671
10K
R603
3300
C634
1000P[KB]
C632
R543
2200
R657
1000
R644
R68
R642
R68
R637
R68
D582
MA7056
R634
R68
R643
R68
R619
R68
TO
P-BOARD
(6/6)
CA
CB
CC
CD
CE
CF
CG

TH-37/42PWD8 SERIES
P-Board (4 of 6) Schematic Diagram

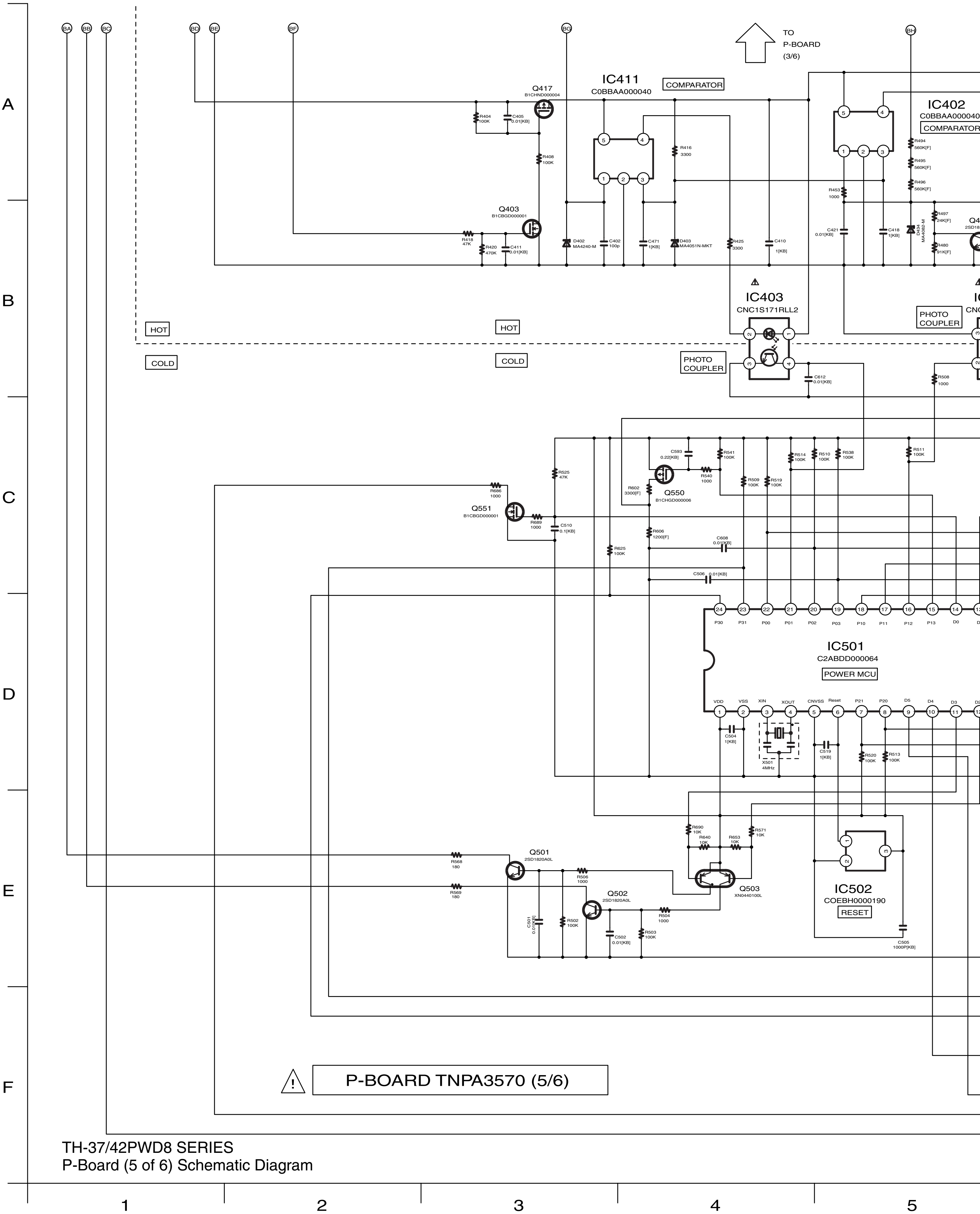
10 11 12 13 14


TO
P-BOARD
(2/6)
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
TO
SS-BOARD
(SS11)
PR601
T 3.15A 250V
D501
RU30ALF014-102
ZH25
ZH46
C615
1700u/200V
ZH47
ZH26
C611
1700u/200V
ZH23
ZH24
ZH45
ZH44
9
6
T601
G4D2A0000227
5
4
3
ZH27
ZH28
C616
1000P
R526
220K
R527
220K
R534
220K
R533
22K
R646
22K
R647
22K
R642
R68
R637
R68
R643
R68
R619
R68
D582
MA7056
D514
MAZ40620MF
R620
10K
R589
12K
R590
12K
R621
12K
IC506
C0ZBZ0000878
SHUNT REGULATOR
Q505
B1CEJQ000002
R622
150K[F]
R648
150K[F]
R636
150K[F]
R626
150K[F]
R656
47K[F]
R627
7500
R628
3K
D575
MA188
C619
0.1[KB]
R691
100K
R658
1M
Q530
B1CBGD000001
D584
MA4075-M
C629
0.01[KB]
Q525
B1CBGD000001
C641
1000P[KB]
P11
K1KA07A00096
185.1
185.1
0
0
0
0
1 NC
2 Vsus
3 Vsus
4 NC
5 GND
6 GND
7 GND
P2
K1KA06A00180
185.1
185.1
0
0
0
0
1 VSUS
2 VSUS
3 NC
4 GND
5 GND
6 GND
TO
SC-BOARD
(SC2)
R595
2200
IC505
CNC1S171RLL2
PHOTO
COUPLER
4
1
3
2
ARD
CH
CI
CJ
CK
CL
CM
CN

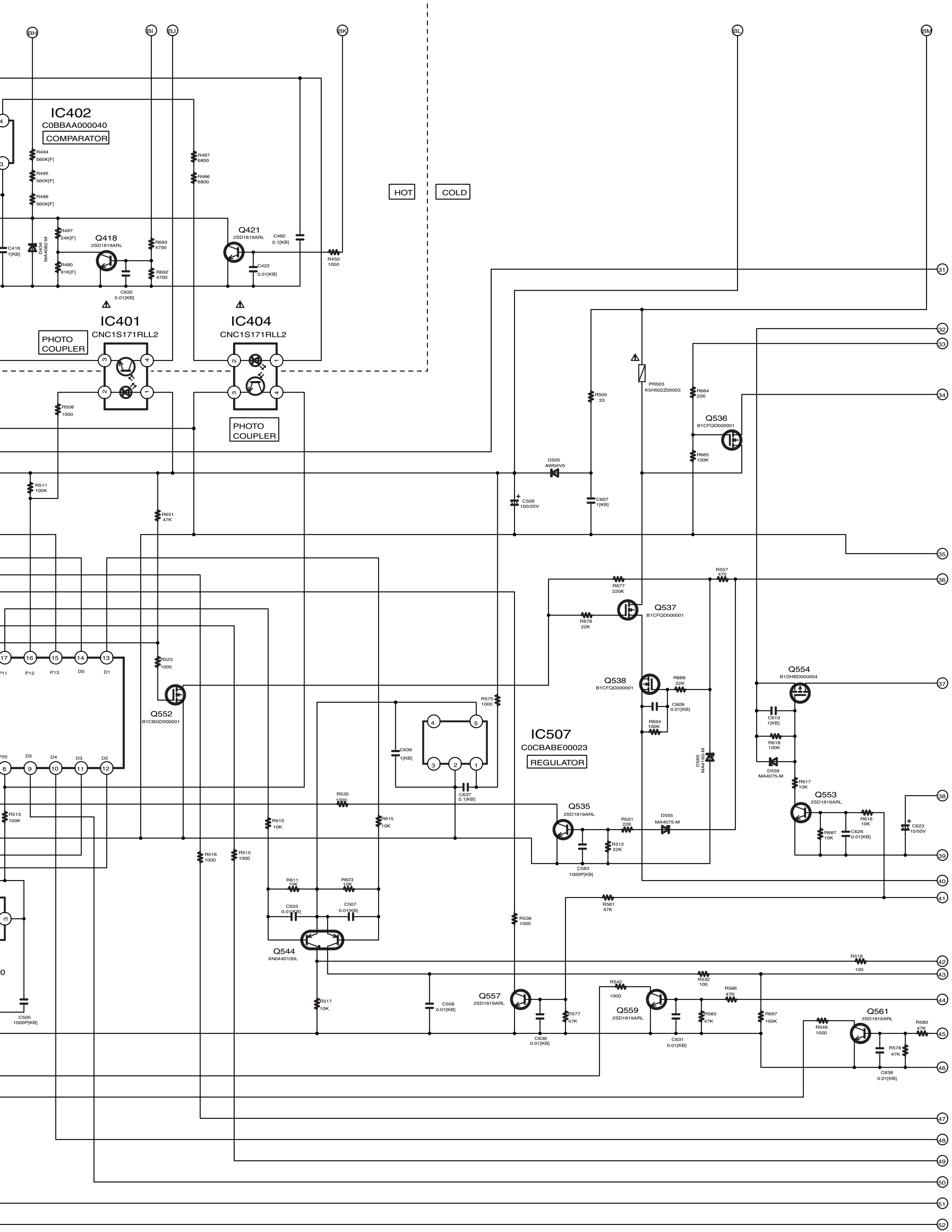
TH-37/42PWD8 SERIES
P-Board (4 of 6) Schematic Diagram

14 15 16 17 18

15.8. P-Board (5 of 6) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
BA
BB
BC
BD
BE
BF
BG
BH
TO
P-BOARD
(3/6)
IC411
C0BBAA000040
COMPARATOR
Q417
B1CHND000004
R404
100K
C405
0.01[KB]
R408
100K
Q403
B1CBGD000001
R418
47K
R420
470K
C411
0.01[KB]
D402
MA4240-M
C402
100p
C471
1[KB]
D403
MA4051N-MKT
R416
3300
R425
3300
C410
1[KB]
IC402
C0BBAA000040
COMPARATOR
R494
560K[F]
R495
560K[F]
R496
560K[F]
R453
1000
C421
0.01[KB]
C418
1[KB]
D414
MA4082-M
R497
24K[F]
R480
91K[F]
Q4
2SD18
IC403
CNC1S171RLL2
PHOTO
COUPLER
HOT
COLD
C612
0.01[KB]
R508
1000
C593
0.22[KB]
R541
100K
R514
100K
R510
100K
R538
100K
R511
100K
R540
1000
R509
100K
R519
100K
R525
47K
R602
3300[F]
Q550
B1CHGD000006
R686
1000
Q551
B1CBGD000001
R689
1000
C510
0.1[KB]
R606
1200[F]
C608
0.01[KB]
R625
100K
C506
0.01[KB]
IC501
C2ABDD000064
POWER MCU
P30
P31
P00
P01
P02
P03
P10
P11
P12
P13
D0
VDD
VSS
XIN
XOUT
CNVSS
Reset
P21
P20
D5
D4
D3
C504
1[KB]
X501
4MHz
C519
1[KB]
R520
100K
R513
100K
R690
10K
R640
10K
R653
10K
R571
10K
Q503
XN0440100L
IC502
COEBH0000190
RESET
C505
1000P[KB]
Q501
2SD1820A0L
R568
180
R569
180
R506
1000
Q502
2SD1820A0L
C501
0.01[KB]
R502
100K
C502
0.01[KB]
R504
1000
R503
100K
P-BOARD TNPA3570 (5/6)

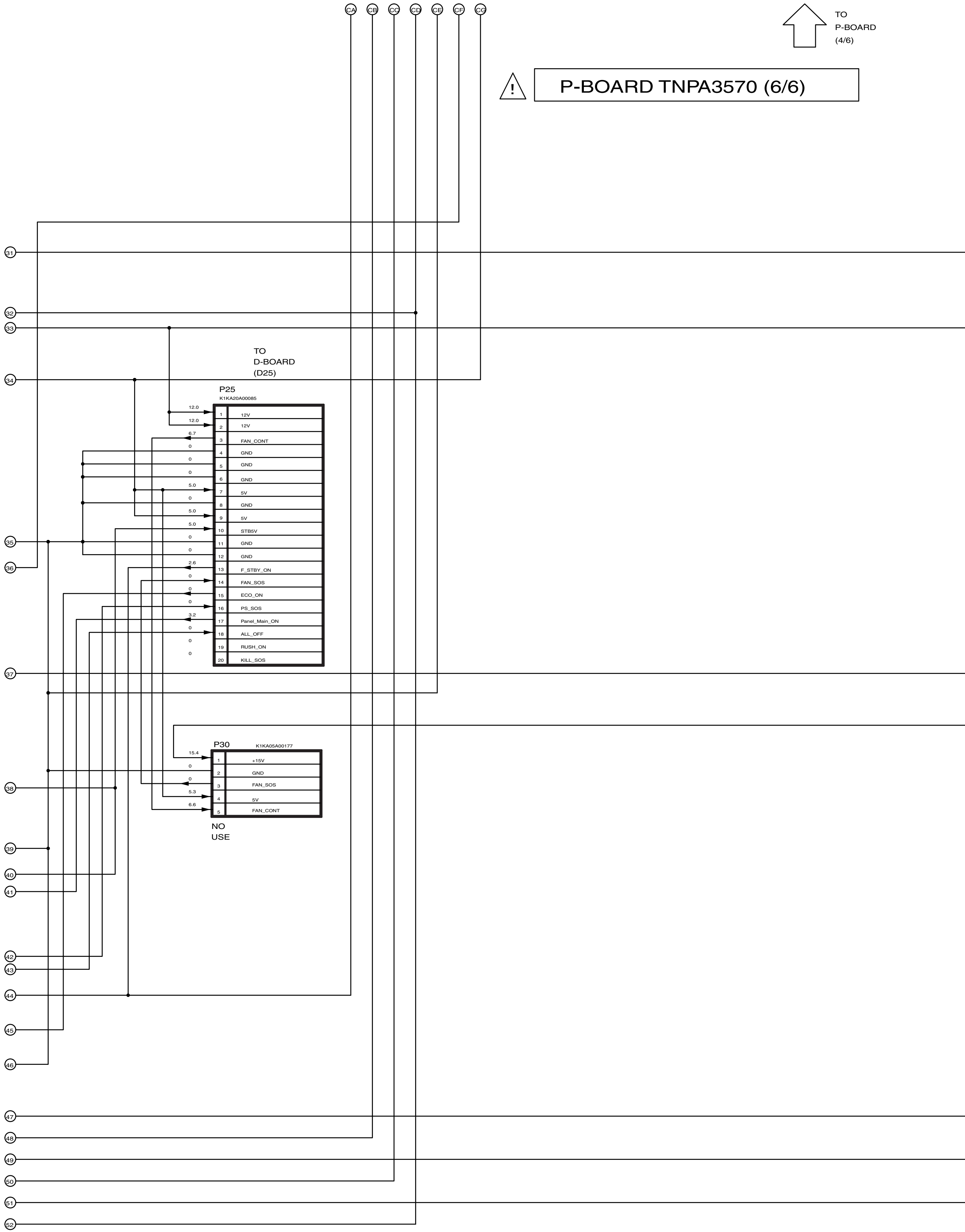
TH-37/42PWD8 SERIES
P-Board (5 of 6) Schematic Diagram


BH
BI
BJ
BK
BL
BM
IC402
C0BBAA000040
COMPARATOR
R494 560K[F]
R495 560K[F]
R496 560K[F]
R487 6800
R486 6800
HOT
COLD
Q418
2SD1819ARL
Q421
2SD1819ARL
R497 24K[F]
R480 91K[F]
D434 MA4082-M
C418 1[KB]
R693 4700
R692 4700
C635 0.01[KB]
C482 0.1[KB]
C422 0.01[KB]
R450 1000
IC401
CNC1S171RLL2
IC404
CNC1S171RLL2
PHOTO COUPLER
PHOTO COUPLER
R508 1000
R511 100K
R651 47K
R523 1000
Q552
B1CBGD000001
P11
P12
P13
D0
D1
P20
D5
D4
D3
D2
R513 100K
C505 1000P[KB]
R516 1000
R515 1000
R610 10K
R615 10K
R535 1000
R611 10K
R623 10K
C503 0.01[KB]
C507 0.01[KB]
Q544
XN0440100L
R517 10K
C508 0.01[KB]
R575 1000
C636 1[KB]
C637 0.1[KB]
IC507
C0CBABE00023
REGULATOR
R536 1000
Q557
2SD1819ARL
C639 0.01[KB]
R577 47K
R581 47K
Q535
2SD1819ARL
C583 1000P[KB]
R501 22K
R512 22K
D555 MA4075-M
R542 1000
Q559
2SD1819ARL
C631 0.01[KB]
R583 47K
R532 100
R586 47K
R518 100
R697 100K
R546 1000
Q561
2SD1819ARL
C638 0.01[KB]
R578 47K
R580 47K
D505 AW04V0
C509 100/25V
C607 1[KB]
R505 33
PR503
K5H502Z00003
R684 22K
R685 100K
Q536
B1CFQD000001
R677 220K
R678 22K
Q537
B1CFQD000001
R557 470
Q538
B1CFQD000001
R688 22K
C609 0.01[KB]
R694 100K
D565 MA4162-M
Q554
B1DHBD000004
C610 1[KB]
R618 100K
D559 MA4075-M
R617 10K
Q553
2SD1819ARL
R616 10K
R687 10K
C626 0.01[KB]
C623 10/50V
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52

TH-37/42PWD8 SERIES
P-Board (5 of 6) Schematic Diagram

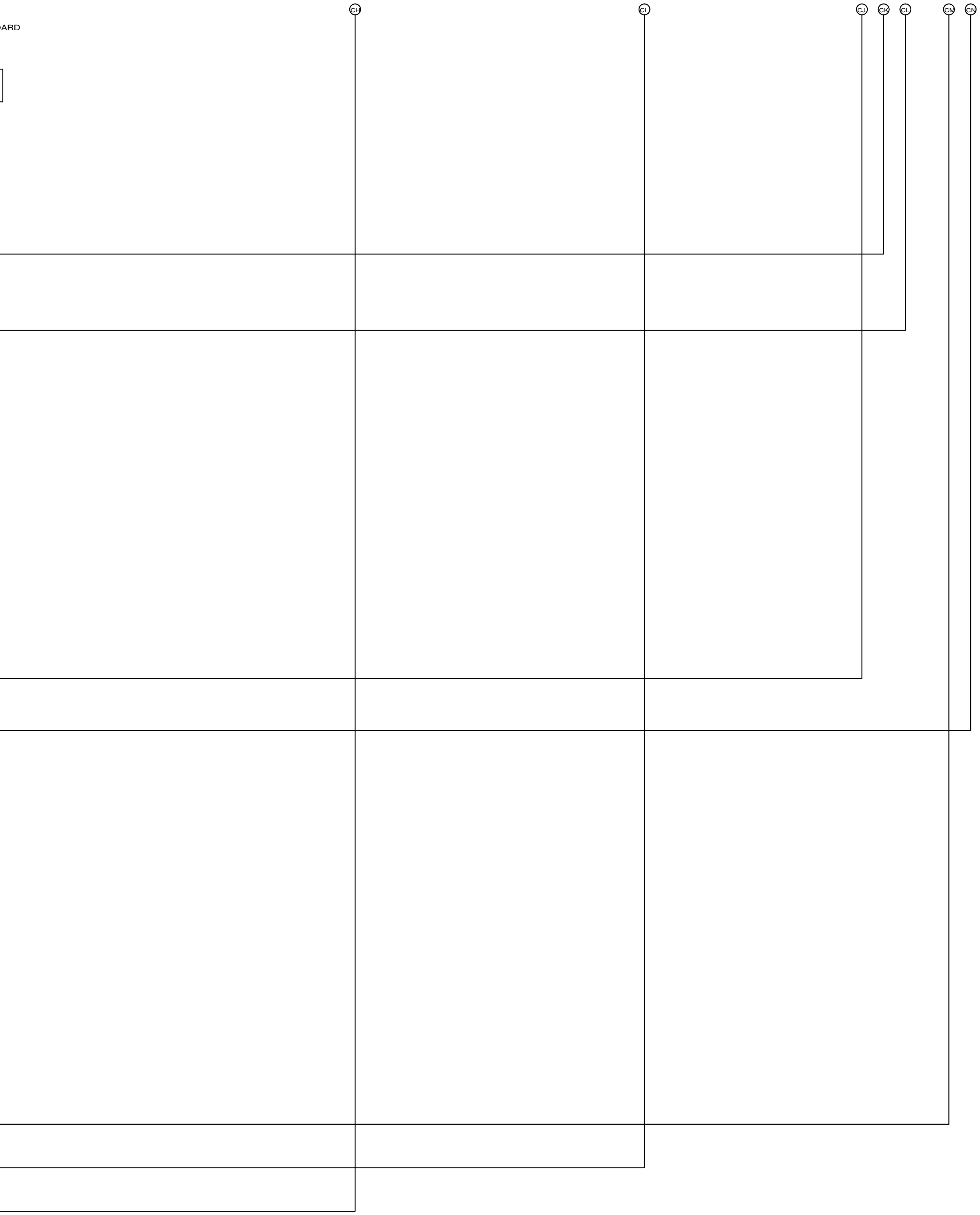
5 6 7 8 9

15.9. P-Board (6 of 6) Schematic Diagram


CA
CB
CC
CD
CE
CF
CG
TO
P-BOARD
(4/6)
P-BOARD TNPA3570 (6/6)
!
31
32
33
34
TO
D-BOARD
(D25)
P25
K1KA20A00085
12.0
12.0
6.7
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 12V
2 12V
3 FAN_CONT
4 GND
5 GND
6 GND
7 5V
8 GND
9 5V
10 STB5V
11 GND
12 GND
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 RUSH_ON
20 KILL_SOS
35
36
37
P30
K1KA05A00177
15.4
0
0
5.3
6.6
1 +15V
2 GND
3 FAN_SOS
4 5V
5 FAN_CONT
NO
USE
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52

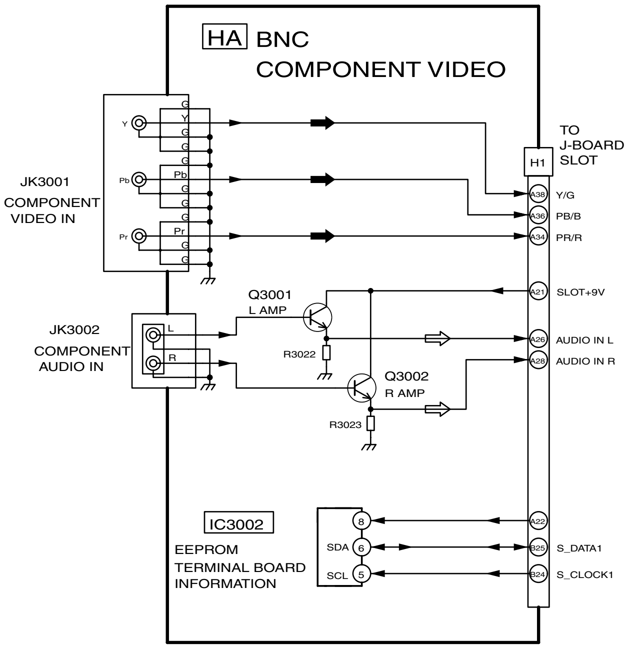
TH-37/42PWD8 SERIES
P-Board (6 of 6) Schematic Diagram

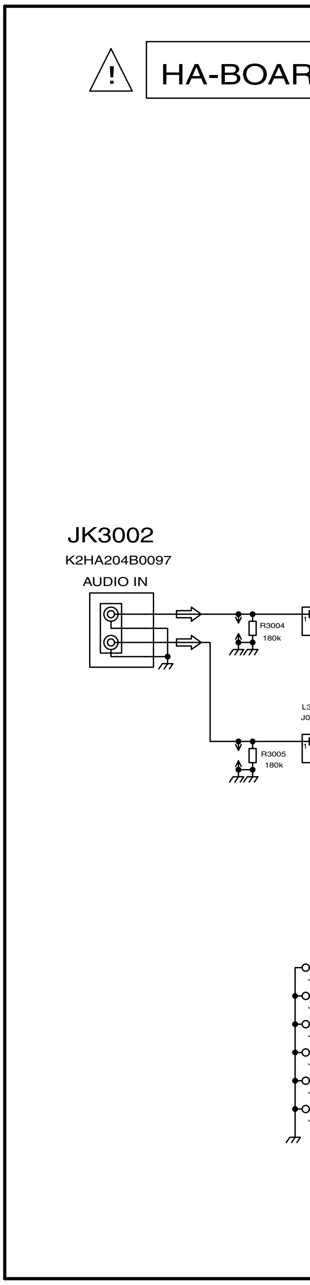
10 11 12 13 14

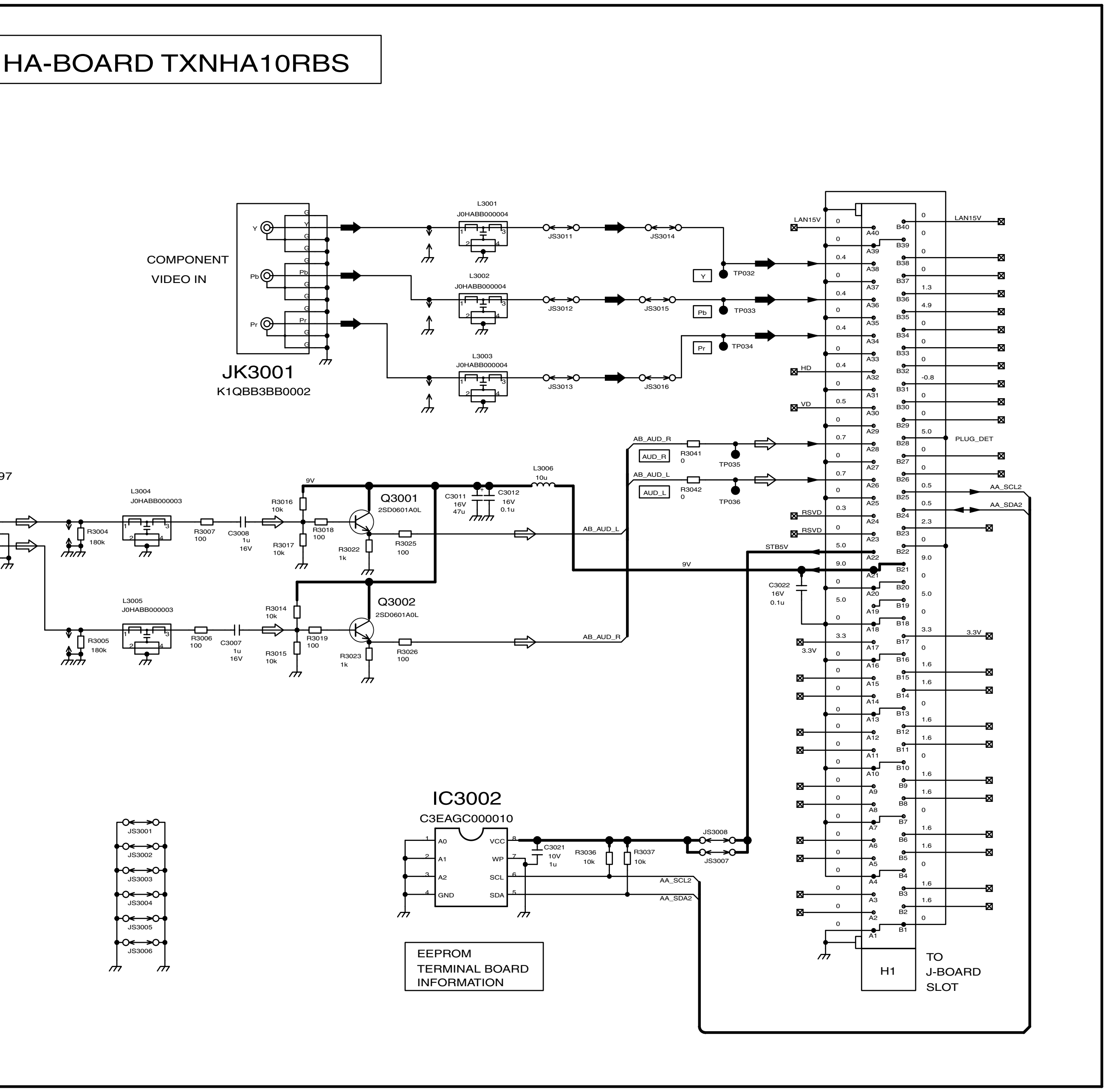

OARD
CH
CI
CJ
CK
CL
CM
CN

TH-37/42PWD8 SERIES
P-Board (6 of 6) Schematic Diagram

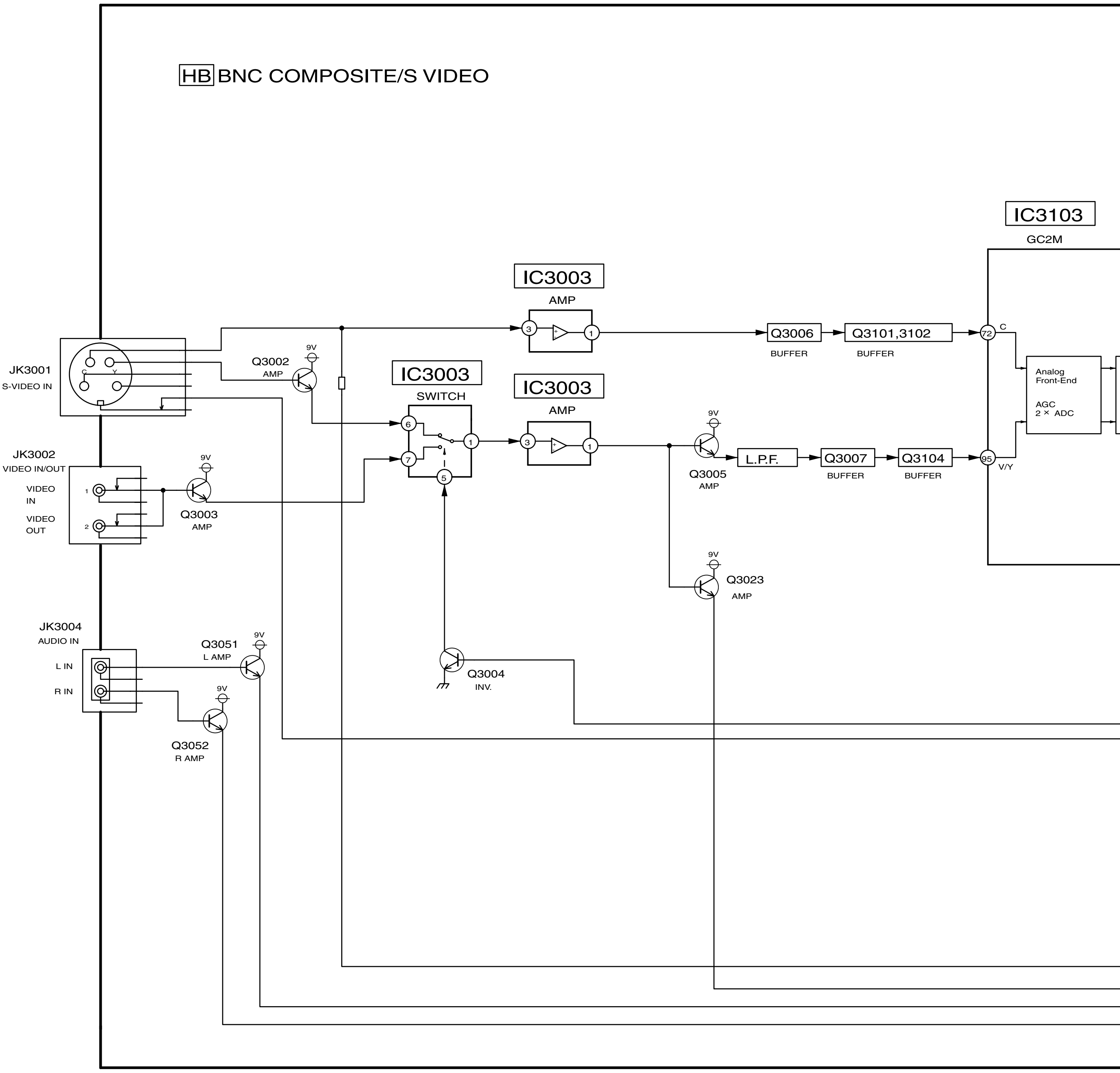
15.10. HA-Board Block and Schematic Diagram

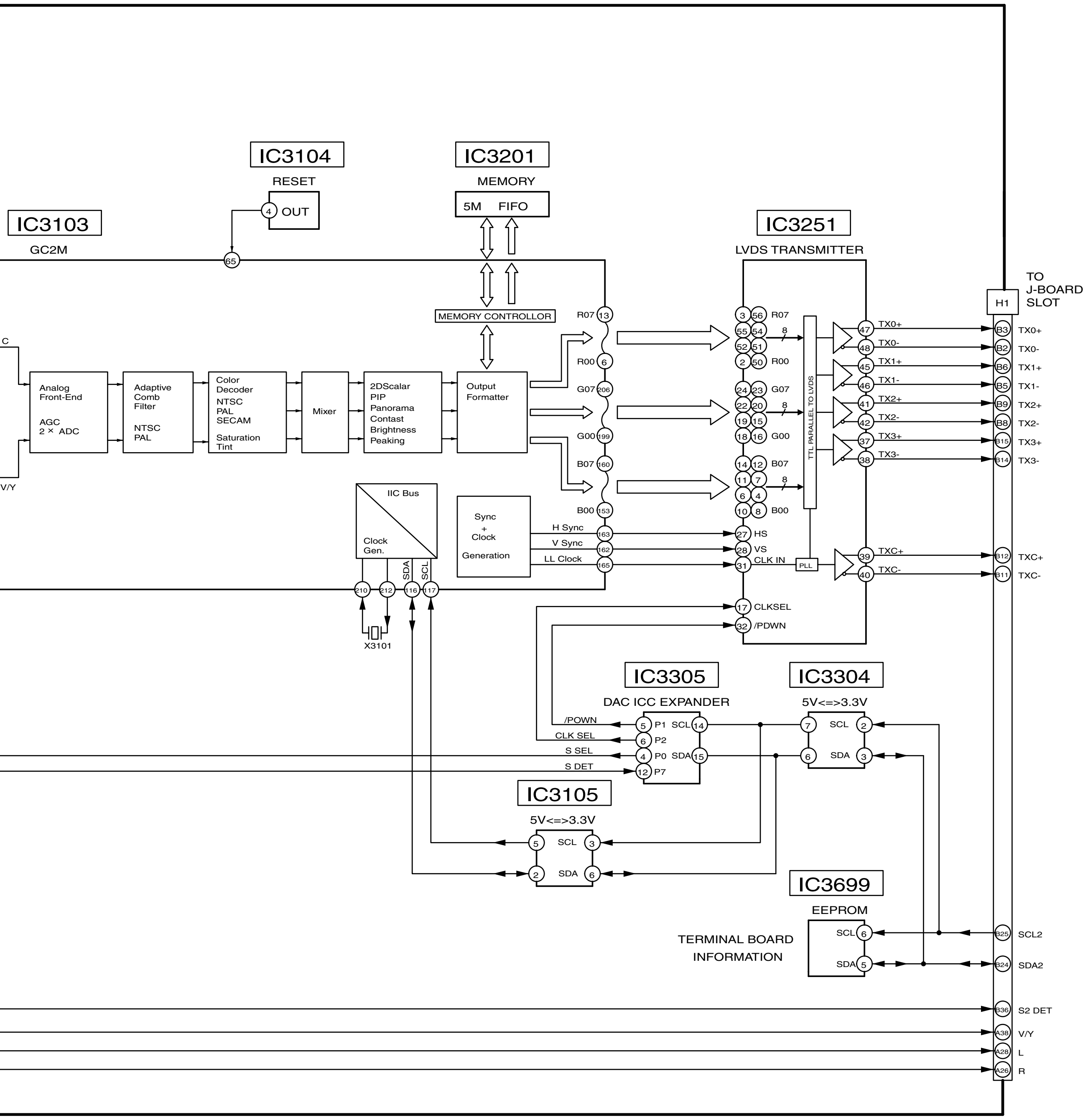

HA
BNC
COMPONENT VIDEO
JK3001
COMPONENT
VIDEO IN
Y
Pb
Pr
G
Y
Pb
Pr
TO
J-BOARD
SLOT
H1
A38
Y/G
A36
PB/B
A34
PR/R
A21
SLOT+9V
Q3001
L AMP
JK3002
COMPONENT
AUDIO IN
L
R
R3022
A26
AUDIO IN L
A28
AUDIO IN R
Q3002
R AMP
R3023
IC3002
EEPROM
TERMINAL BOARD
INFORMATION
8
SDA
6
SCL
5
A22
B25
S_DATA1
B24
S_CLOCK1


HA-BOAR
JK3002
K2HA204B0097
AUDIO IN
R3004
180k
R3005
180k
1
L3
J0


HA-BOARD TXNHA10RBS
COMPONENT
VIDEO IN
JK3001
K1QBB3BB0002
Y
Pb
Pr
G
L3001
J0HABB000004
L3002
J0HABB000004
L3003
J0HABB000004
JS3011
JS3012
JS3013
JS3014
JS3015
JS3016
TP032
TP033
TP034
TP035
TP036
AB_AUD_R
AB_AUD_L
AUD_R
AUD_L
R3041
0
R3042
0
L3006
10u
Q3001
2SD0601A0L
Q3002
2SD0601A0L
9V
C3011
16V
47u
C3012
16V
0.1u
L3004
J0HABB000003
L3005
J0HABB000003
R3004
180k
R3005
180k
R3007
100
R3006
100
C3008
1u
16V
C3007
1u
16V
R3016
10k
R3017
10k
R3018
100
R3014
10k
R3015
10k
R3019
100
R3022
1k
R3023
1k
R3025
100
R3026
100
97
LAN15V
HD
VD
RSVD
STB5V
C3022
16V
0.1u
3.3V
PLUG_DET
AA_SCL2
AA_SDA2
H1
TO
J-BOARD
SLOT
IC3002
C3EAGC000010
A0
A1
A2
GND
VCC
WP
SCL
SDA
C3021
10V
1u
R3036
10k
R3037
10k
JS3007
JS3008
JS3001
JS3002
JS3003
JS3004
JS3005
JS3006
EEPROM
TERMINAL BOARD
INFORMATION

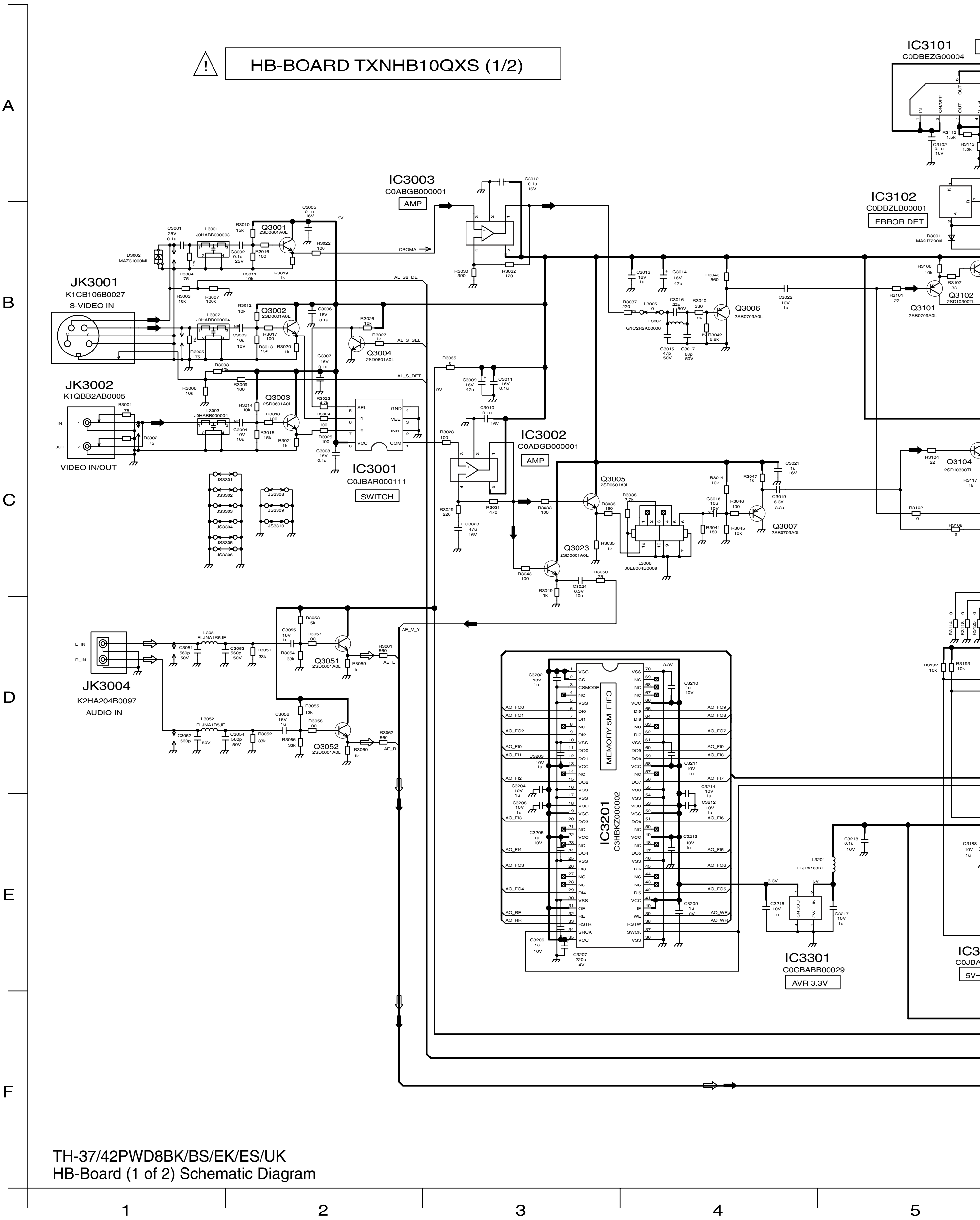
15.11. HB-Board Block Diagram


HB BNC COMPOSITE/S VIDEO
JK3001
S-VIDEO IN
C
Y
JK3002
VIDEO IN/OUT
VIDEO
IN
VIDEO
OUT
1
2
JK3004
AUDIO IN
L IN
R IN
Q3002
AMP
9V
Q3003
AMP
9V
Q3051
L AMP
9V
Q3052
R AMP
9V
IC3003
AMP
3
1
IC3003
SWITCH
6
7
1
5
IC3003
AMP
3
1
Q3004
INV.
Q3005
AMP
9V
Q3023
AMP
9V
Q3006
BUFFER
Q3101,3102
BUFFER
L.P.F.
Q3007
BUFFER
Q3104
BUFFER
IC3103
GC2M
72
C
95
V/Y
Analog
Front-End
AGC
2 × ADC


IC3104
RESET
4 OUT
IC3201
MEMORY
5M FIFO
MEMORY CONTROLLOR
IC3103
GC2M
65
C
V/Y
Analog Front-End
AGC
2 × ADC
Adaptive Comb Filter
NTSC
PAL
Color Decoder
NTSC
PAL
SECAM
Saturation
Tint
Mixer
2DScalar
PIP
Panorama
Contast
Brightness
Peaking
Output Formatter
R07 13
R00 6
G07 206
G00 199
B07 160
B00 153
IIC Bus
Clock Gen.
SDA
SCL
210
212
116
117
X3101
Sync + Clock Generation
H Sync 163
V Sync 162
LL Clock 165
IC3251
LVDS TRANSMITTER
3 56 R07
55 54
52 51
2 50 R00
24 23 G07
22 20
19 15
18 16 G00
14 12 B07
11 7
6 4
10 8 B00
8
TTL PARALLEL TO LVDS
27 HS
28 VS
31 CLK IN
PLL
17 CLKSEL
32 /PDWN
47 TX0+
48 TX0-
45 TX1+
46 TX1-
41 TX2+
42 TX2-
37 TX3+
38 TX3-
39 TXC+
40 TXC-
TO J-BOARD SLOT
H1
B3 TX0+
B2 TX0-
B6 TX1+
B5 TX1-
B9 TX2+
B8 TX2-
B15 TX3+
B14 TX3-
B12 TXC+
B11 TXC-
IC3305
DAC ICC EXPANDER
/POWN 5 P1
CLK SEL 6 P2
S SEL 4 P0
S DET 12 P7
SCL 14
SDA 15
IC3304
5V<=>3.3V
7 SCL 2
6 SDA 3
IC3105
5V<=>3.3V
5 SCL 3
2 SDA 6
IC3699
EEPROM
TERMINAL BOARD INFORMATION
SCL 6
SDA 5
B25 SCL2
B24 SDA2
B36 S2 DET
A38 V/Y
A28 L
A26 R

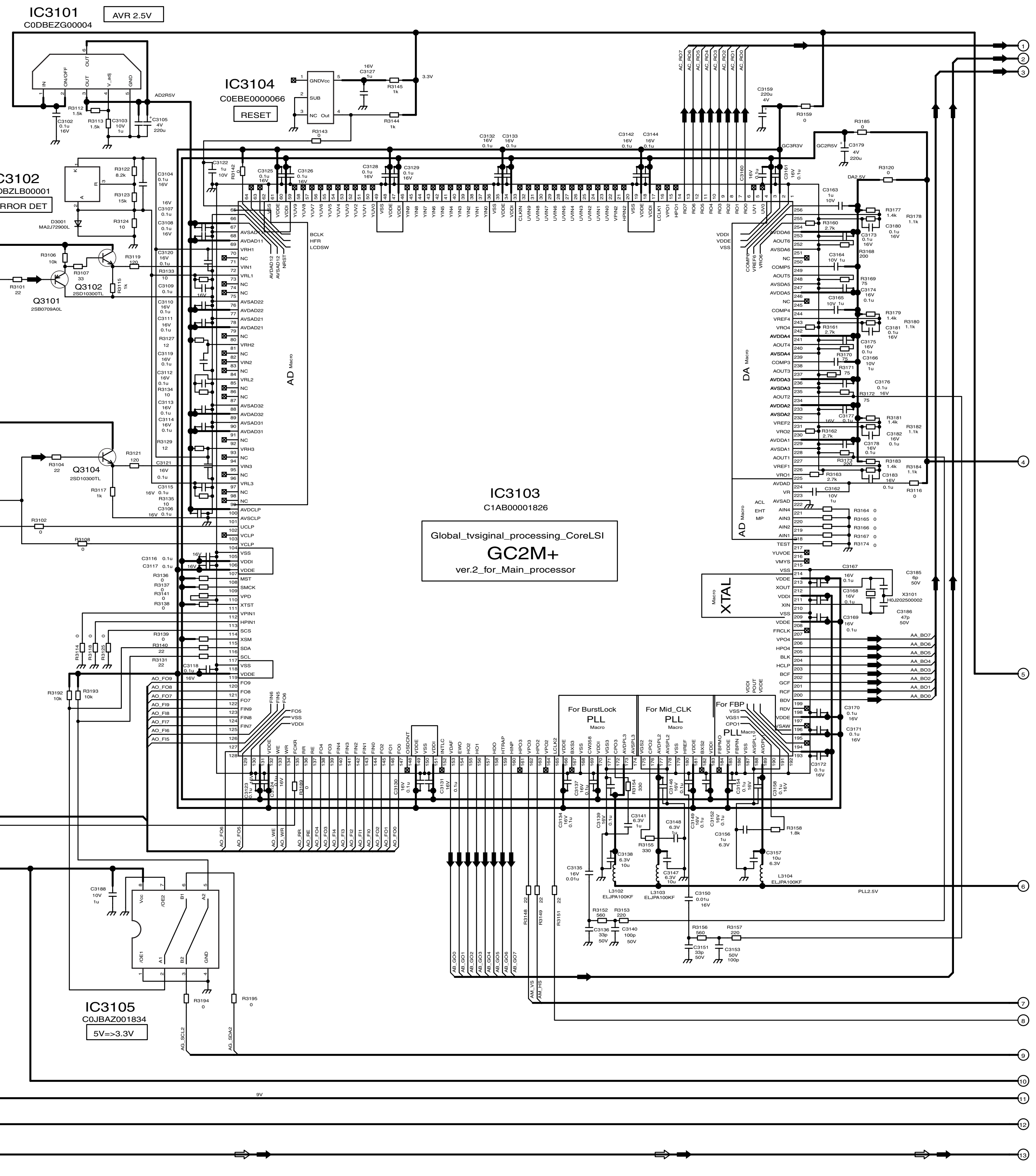
TH-37/42PWD8 BK/BS/EK/ES/UK
HB-Board Block Diagram

15.12. HB-Board (1 of 2) Schematic Diagram



HB-BOARD TXNHB10QXS (1/2)
A
B
C
D
E
F
1
2
3
4
5
IC3101
C0DBEZG00004
IC3102
C0DBZLB00001
ERROR DET
D3001
MA2J72900L
IC3003
C0ABGB000001
AMP
IC3002
C0ABGB000001
AMP
IC3001
C0JBAR000111
SWITCH
JK3001
K1CB106B0027
S-VIDEO IN
JK3002
K1QBB2AB0005
VIDEO IN/OUT
JK3004
K2HA204B0097
AUDIO IN
L_IN
R_IN
IN
OUT
Q3001
2SD0601A0L
Q3002
2SD0601A0L
Q3003
2SD0601A0L
Q3004
2SD0601A0L
Q3005
2SD0601A0L
Q3023
2SD0601A0L
Q3006
2SB0709A0L
Q3007
2SB0709A0L
Q3051
2SD0601A0L
Q3052
2SD0601A0L
Q3101
2SB0709A0L
Q3102
2SD1030OTL
Q3104
2SD1030OTL
L3001
J0HABB000003
L3002
J0HABB000004
L3003
J0HABB000004
L3005
L3006
J0E8004B0008
L3007
G1C2R2K00006
L3051
ELJNA1R5JF
L3052
ELJNA1R5JF
L3201
ELJPA100KF
D3002
MAZ31000ML
CROMA
AL_S2_DET
AL_S_SEL
AL_S_DET
AE_V_Y
AE_L
AE_R
9V
SEL
GND
VEE
INH
COM
VCC
I1
I0
IC3201
C3HBKZ000002
MEMORY 5M_FIFO
AO_FO0
AO_FO1
AO_FO2
AO_FI0
AO_FI1
AO_FI2
AO_FI3
AO_FI4
AO_FO3
AO_FO4
AO_RE
AO_RR
AO_FO9
AO_FO8
AO_FO7
AO_FI9
AO_FI8
AO_FI7
AO_FI6
AO_FI5
AO_FO6
AO_FO5
AO_WE
AO_WR
3.3V
5V
IC3301
C0CBABB00029
AVR 3.3V
JS3301
JS3302
JS3303
JS3304
JS3305
JS3306
JS3308
JS3309
JS3310

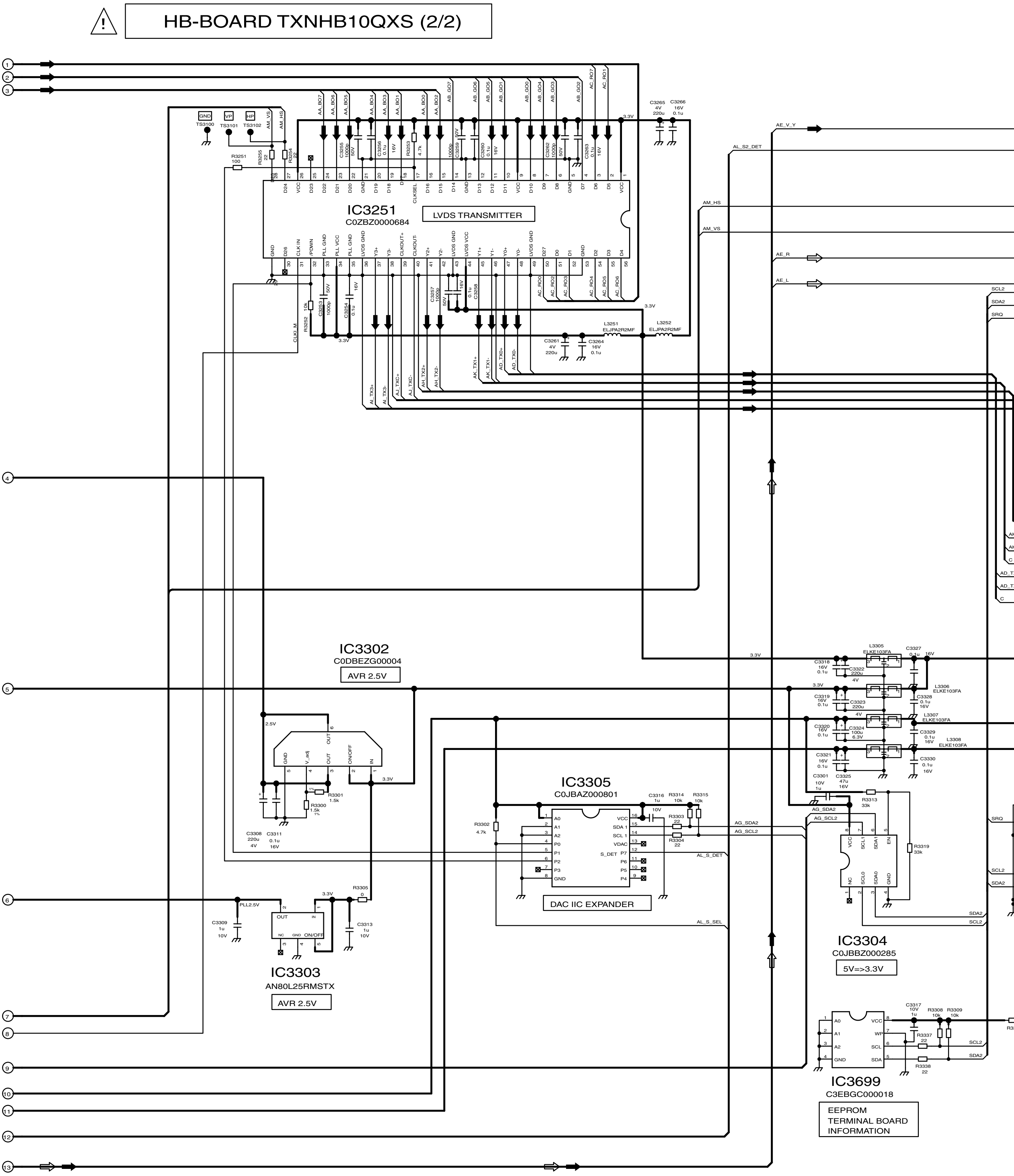
TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (1 of 2) Schematic Diagram


IC3101
C0DBEZG00004
AVR 2.5V
AD2R5V
IC3104
C0EBE0000066
RESET
GNDVcc
SUB
NC Out
3.3V
C3102
0BZLB00001
RROR DET
D3001
MA2J72900L
Q3102
2SD10300TL
Q3101
2SB0709A0L
Q3104
2SD10300TL
AD Macro
DA Macro
IC3103
C1AB00001826
Global_tvsiginal_processing_CoreLSI
GC2M+
ver.2_for_Main_processor
XTAL Macro
X3101
H0J202500002
For BurstLock
PLL
For Mid_CLK
PLL
For FBP
PLL
L3102
ELJPA100KF
L3103
ELJPA100KF
L3104
ELJPA100KF
PLL2.5V
IC3105
C0JBAZ001834
5V=>3.3V
AG_SCL2
AG_SDA2
AM_VS
AM_HS
AB_GO0
AB_GO1
AB_GO2
AB_GO3
AB_GO4
AB_GO5
AB_GO6
AB_GO7
AA_BO7
AA_BO6
AA_BO5
AA_BO4
AA_BO3
AA_BO2
AA_BO1
AA_BO0
AC_RO7
AC_RO6
AC_RO5
AC_RO4
AC_RO3
AC_RO2
AC_RO1
AC_RO0
AO_FO9
AO_FO8
AO_FO7
AO_FI8
AO_FI7
AO_FI6
AO_FI5
GC3R3V
GC2R5V
DA2.5V
9V
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

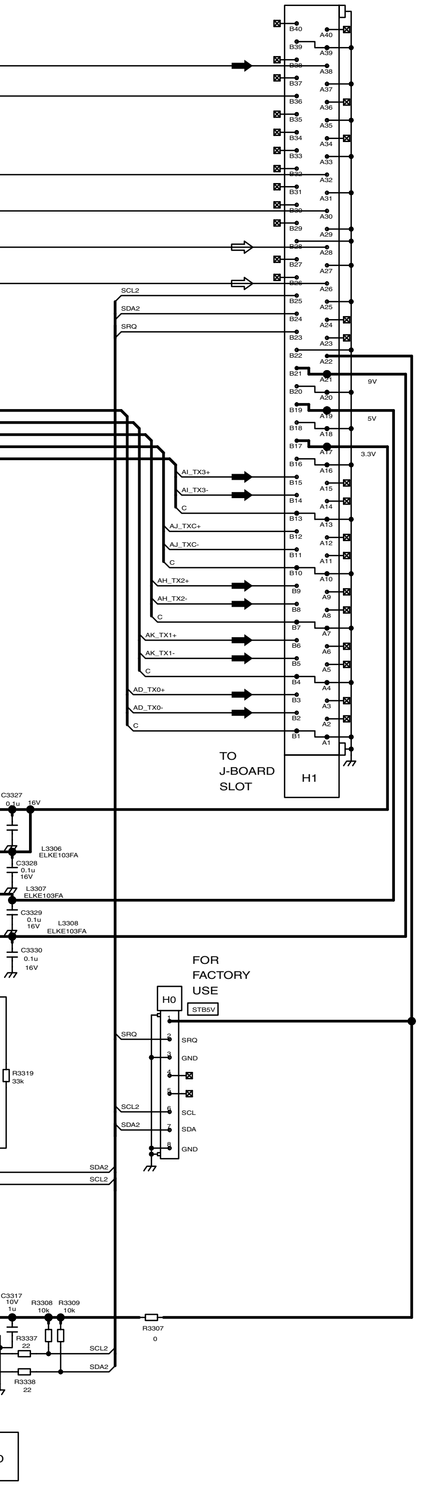
TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (1 of 2) Schematic Diagram

5 6 7 8 9

15.13. HB-Board (2 of 2) Schematic Diagram


HB-BOARD TXNHB10QXS (2/2)
IC3251
C0ZBZ0000684
LVDS TRANSMITTER
IC3302
C0DBEZG00004
AVR 2.5V
IC3305
C0JBAZ000801
DAC IIC EXPANDER
IC3303
AN80L25RMSTX
AVR 2.5V
IC3304
C0JBBZ000285
5V=>3.3V
IC3699
C3EBGC000018
EEPROM
TERMINAL BOARD
INFORMATION

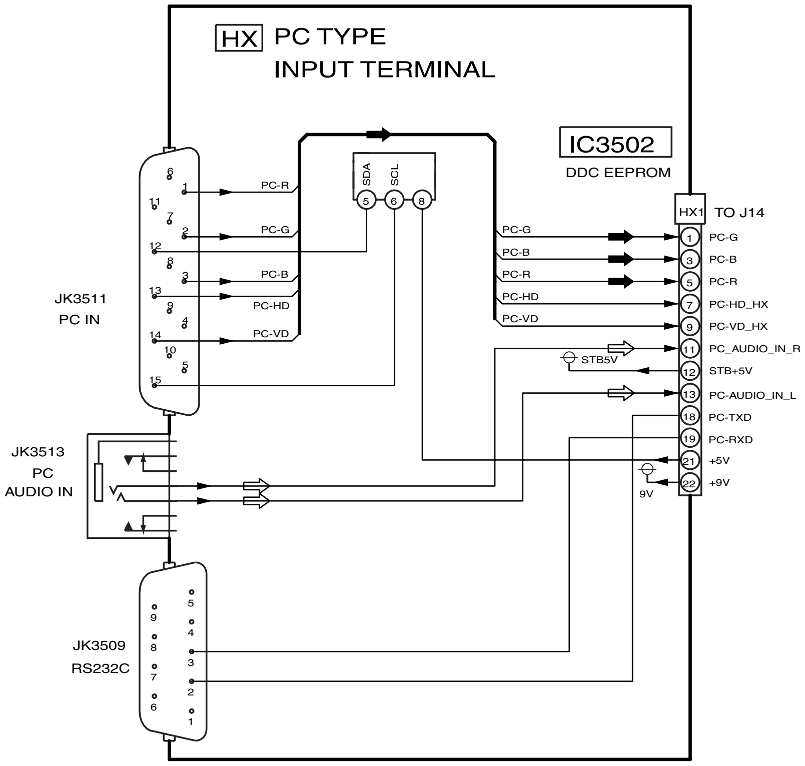
TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (2 of 2) Schematic Diagram


TO
J-BOARD
SLOT
H1
B40 … B1
A40 … A1
SCL2
SDA2
SRQ
9V
5V
3.3V
AI_TX3+
AI_TX3-
C
AJ_TXC+
AJ_TXC-
C
AH_TX2+
AH_TX2-
C
AK_TX1+
AK_TX1-
C
AD_TX0+
AD_TX0-
C
C3327
0.1u
16V
L3306
ELKE103FA
C3328
0.1u
16V
L3307
ELKE103FA
C3329
0.1u
16V
L3308
ELKE103FA
C3330
0.1u
16V
FOR
FACTORY
USE
H0
STB5V
SRQ
GND
SCL
SDA
GND
SCL2
SDA2
R3319
33k
SDA2
SCL2
C3317
10V
1u
R3308
10k
R3309
10k
R3307
0
R3337
22
R3338
22
SCL2
SDA2

TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (2 of 2) Schematic Diagram

14 15 16 17 18

15.14. HX-Board Block Diagram

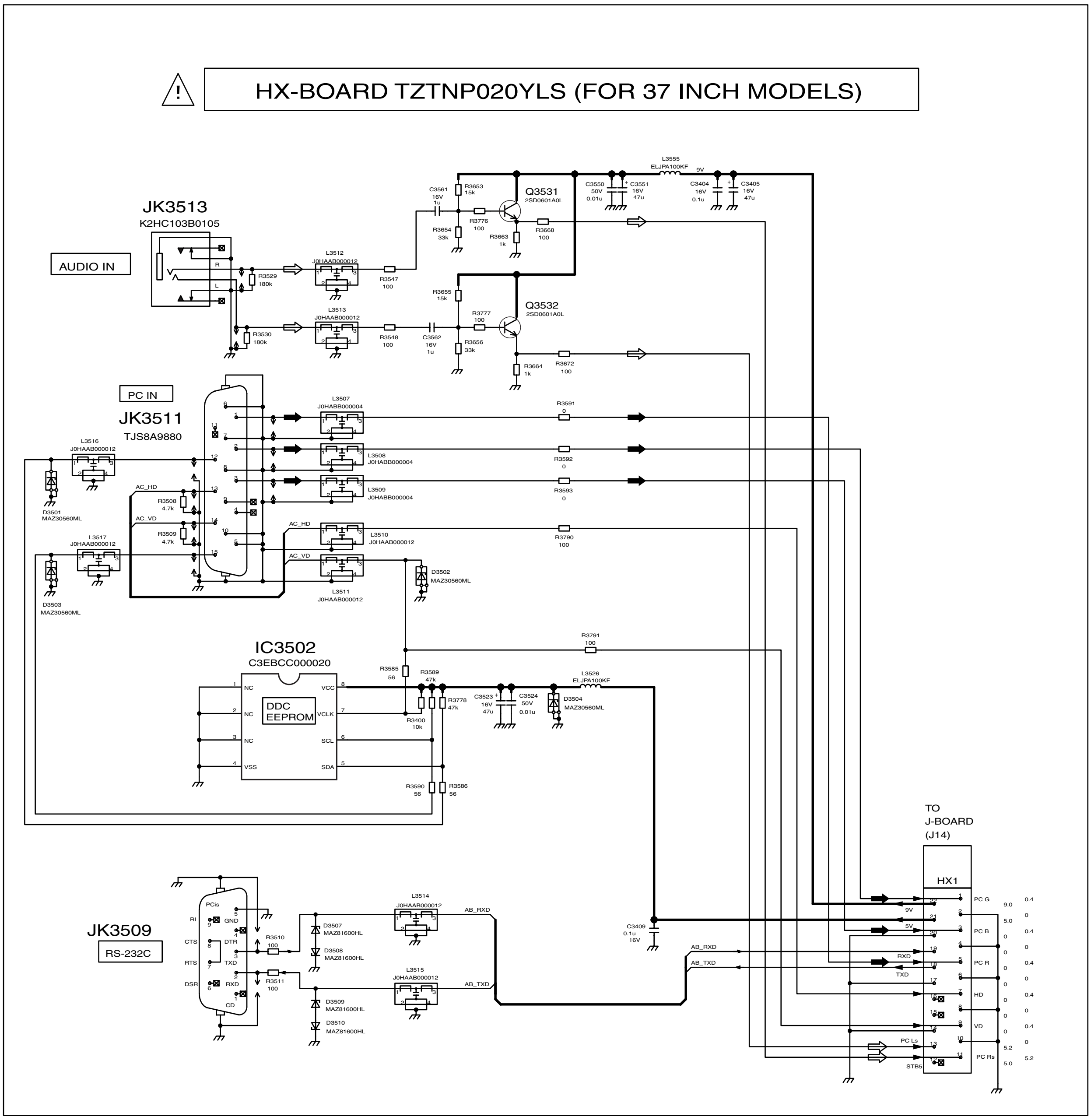

HX
PC TYPE
INPUT TERMINAL
IC3502
DDC EEPROM
SDA
SCL
5
6
8
JK3511
PC IN
6
1
11
7
2
12
8
3
13
9
4
14
10
5
15
PC-R
PC-G
PC-B
PC-HD
PC-VD
PC-G
PC-B
PC-R
PC-HD
PC-VD
HX1
TO J14
1 PC-G
3 PC-B
5 PC-R
7 PC-HD_HX
9 PC-VD_HX
11 PC_AUDIO_IN_R
12 STB+5V
13 PC-AUDIO_IN_L
18 PC-TXD
19 PC-RXD
21 +5V
22 +9V
STB5V
9V
JK3513
PC
AUDIO IN
JK3509
RS232C
5
9
4
8
3
7
2
6
1

_R

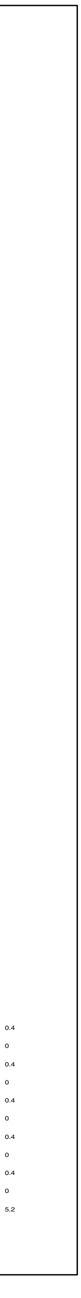
_L

TH-37/42PWD8 SERIES
HX-Board Block Diagram

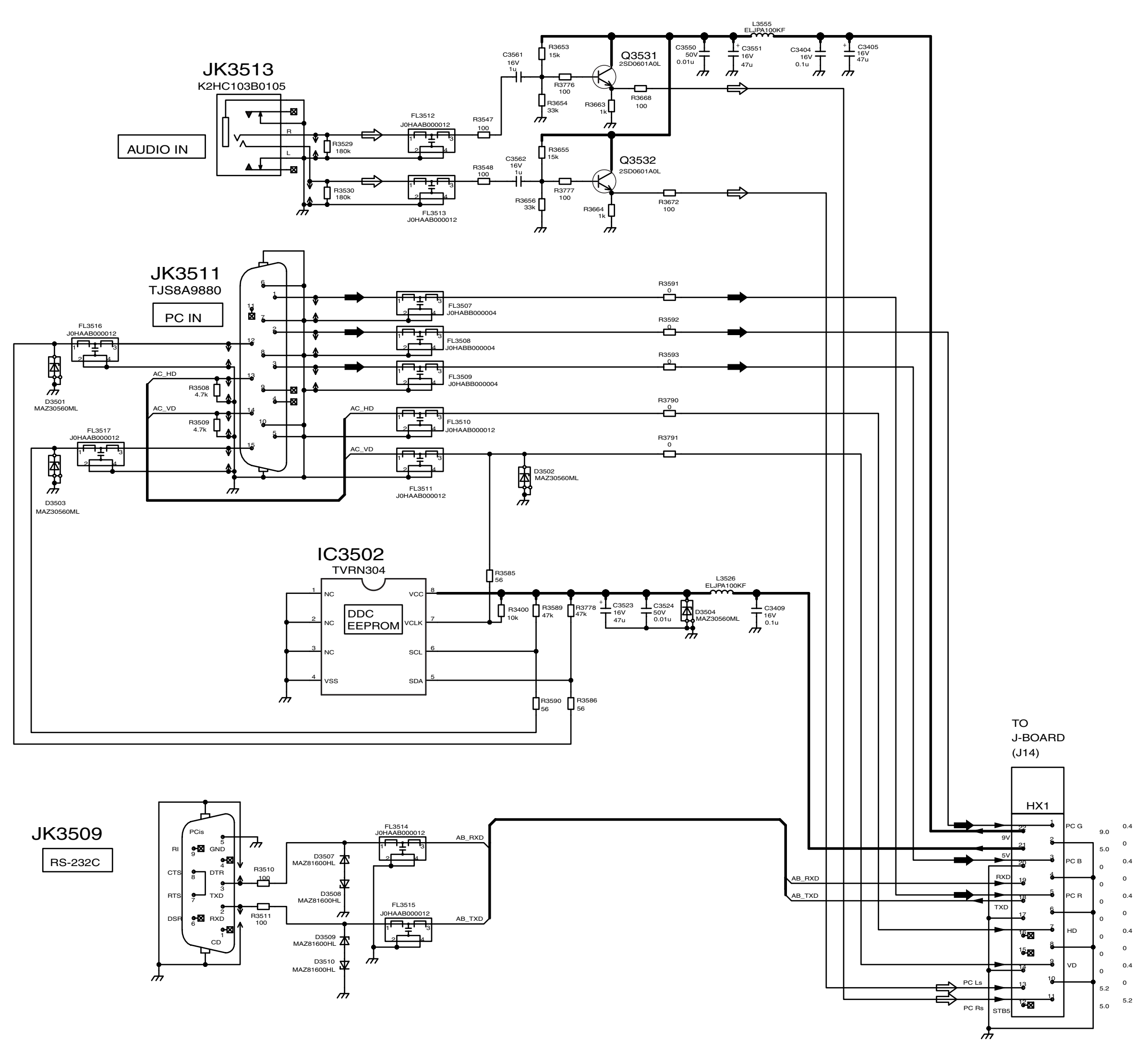
15.15. HX-Board Schematic Diagram


HX-BOARD TZTNP020YLS (FOR 37 INCH MODELS)
JK3513
K2HC103B0105
AUDIO IN
R
L
R3529 180k
R3530 180k
L3512 J0HAAB000012
L3513 J0HAAB000012
R3547 100
R3548 100
C3561 16V 1u
C3562 16V 1u
R3653 15k
R3654 33k
R3776 100
Q3531 2SD0601A0L
R3663 1k
R3668 100
R3655 15k
R3656 33k
R3777 100
Q3532 2SD0601A0L
R3664 1k
R3672 100
C3550 50V 0.01u
C3551 16V 47u
L3555 ELJPA100KF
9V
C3404 16V 0.1u
C3405 16V 47u
PC IN
JK3511
TJS8A9880
L3516 J0HAAB000012
D3501 MAZ30560ML
L3517 J0HAAB000012
D3503 MAZ30560ML
AC_HD
AC_VD
R3508 4.7k
R3509 4.7k
L3507 J0HABB000004
L3508 J0HABB000004
L3509 J0HABB000004
L3510 J0HAAB000012
L3511 J0HAAB000012
D3502 MAZ30560ML
R3591 0
R3592 0
R3593 0
R3790 100
R3791 100
IC3502
C3EBCC000020
NC
NC
NC
VSS
VCC
VCLK
SCL
SDA
DDC EEPROM
R3585 56
R3589 47k
R3778 47k
R3400 10k
R3590 56
R3586 56
C3523 16V 47u
C3524 50V 0.01u
D3504 MAZ30560ML
L3526 ELJPA100KF
JK3509
RS-232C
PCis
RI
CTS
RTS
DSR
GND
DTR
TXD
RXD
CD
R3510 100
R3511 100
D3507 MAZ81600HL
D3508 MAZ81600HL
D3509 MAZ81600HL
D3510 MAZ81600HL
L3514 J0HAAB000012
L3515 J0HAAB000012
AB_RXD
AB_TXD
C3409 0.1u 16V
TO J-BOARD (J14)
HX1
9V
5V
RXD
TXD
PC Ls
STB5
PC G
PC B
PC R
HD
VD
PC Rs
9.0
5.0
5.2
0.4
A
B
C
D
E
F
1
2
3
4
5

TH-37/42PWD8 SERIES
HX-Board Schematic Diagram


0.4
0
0.4
0
0.4
0
0.4
0
0.4
0
5.2

HX-BOARD TZTNP020YNS (FOR 42 INCH MODELS)

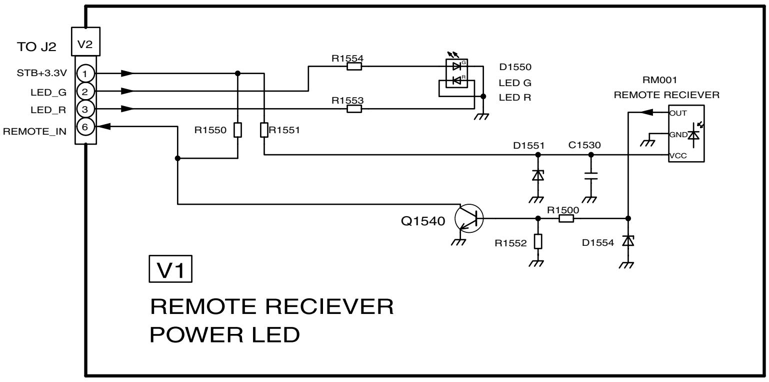

JK3513
K2HC103B0105
AUDIO IN
R
L
R3529
180k
R3530
180k
FL3512
J0HAAB000012
FL3513
J0HAAB000012
R3547
100
R3548
100
C3561
16V
1u
C3562
16V
1u
R3653
15k
R3654
33k
R3655
15k
R3656
33k
R3776
100
R3777
100
R3663
1k
R3664
1k
Q3531
2SD0601A0L
Q3532
2SD0601A0L
R3668
100
R3672
100
C3550
50V
0.01u
C3551
16V
47u
L3555
ELJPA100KF
C3404
16V
0.1u
C3405
16V
47u
JK3511
TJS8A9880
PC IN
FL3516
J0HAAB000012
D3501
MAZ30560ML
FL3517
J0HAAB000012
D3503
MAZ30560ML
AC_HD
AC_VD
R3508
4.7k
R3509
4.7k
FL3507
J0HABB000004
FL3508
J0HABB000004
FL3509
J0HABB000004
FL3510
J0HAAB000012
FL3511
J0HAAB000012
R3591
0
R3592
0
R3593
0
R3790
0
R3791
0
D3502
MAZ30560ML
IC3502
TVRN304
DDC
EEPROM
NC
NC
NC
VSS
VCC
VCLK
SCL
SDA
R3585
56
R3400
10k
R3589
47k
R3778
47k
C3523
16V
47u
C3524
50V
0.01u
D3504
MAZ30560ML
L3526
ELJPA100KF
C3409
16V
0.1u
R3590
56
R3586
56
JK3509
RS-232C
PCis
RI
CTS
RTS
DSR
GND
DTR
TXD
RXD
CD
R3510
100
R3511
100
D3507
MAZ81600HL
D3508
MAZ81600HL
D3509
MAZ81600HL
D3510
MAZ81600HL
FL3514
J0HAAB000012
FL3515
J0HAAB000012
AB_RXD
AB_TXD
TO
J-BOARD
(J14)
HX1
9V
5V
RXD
TXD
PC Ls
PC Rs
STB5
PC G
PC B
PC R
HD
VD
9.0
5.0
0
0
0
0
0
0
0
5.2
5.0
0.4
0
0.4
0
0.4
0
0.4
0
0.4
0
5.2

TH-37/42PWD8 SERIES
HX-Board Schematic Diagram

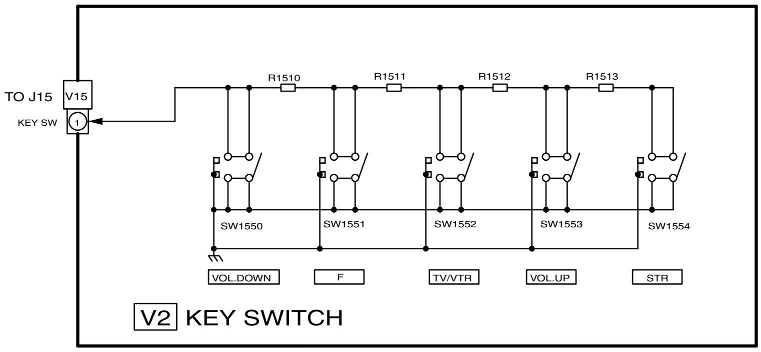
15.16. S1, V1 and V2-Board Block Diagram and Schematic Diagram

A

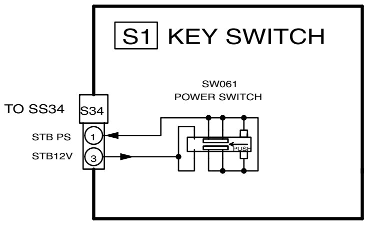
B


TO J2
V2
STB+3.3V
LED_G
LED_R
REMOTE_IN
1
2
3
6
R1554
R1553
D1550
LED G
LED R
RM001
REMOTE RECIEVER
OUT
GND
VCC
R1550
R1551
D1551
C1530
Q1540
R1500
R1552
D1554
V1
REMOTE RECIEVER
POWER LED

C


TO J15
V15
KEY SW
1
R1510
R1511
R1512
R1513
SW1550
SW1551
SW1552
SW1553
SW1554
VOL.DOWN
F
TV/VTR
VOL.UP
STR
V2
KEY SWITCH

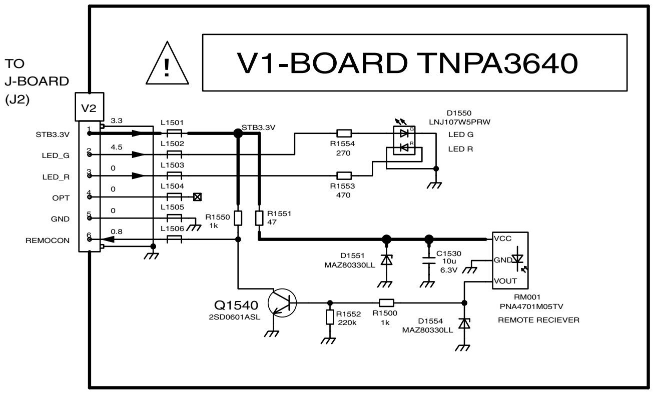
D

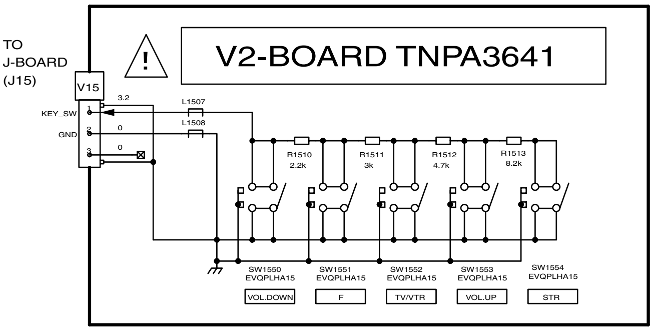

S1
KEY SWITCH
SW061
POWER SWITCH
TO SS34
S34
STB PS
STB12V
1
3
PUSH

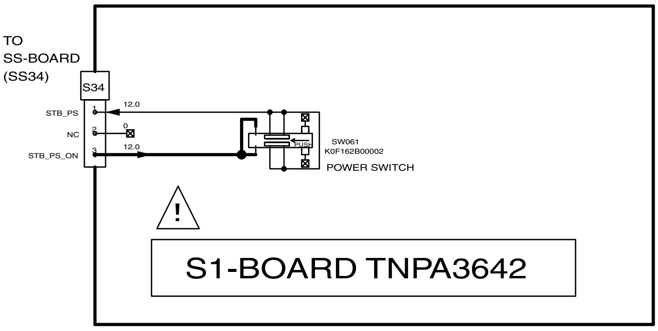
E

TH-37/42PWD8 SERIES
S1, V1 and V2-Board Block and Schematic Diagram

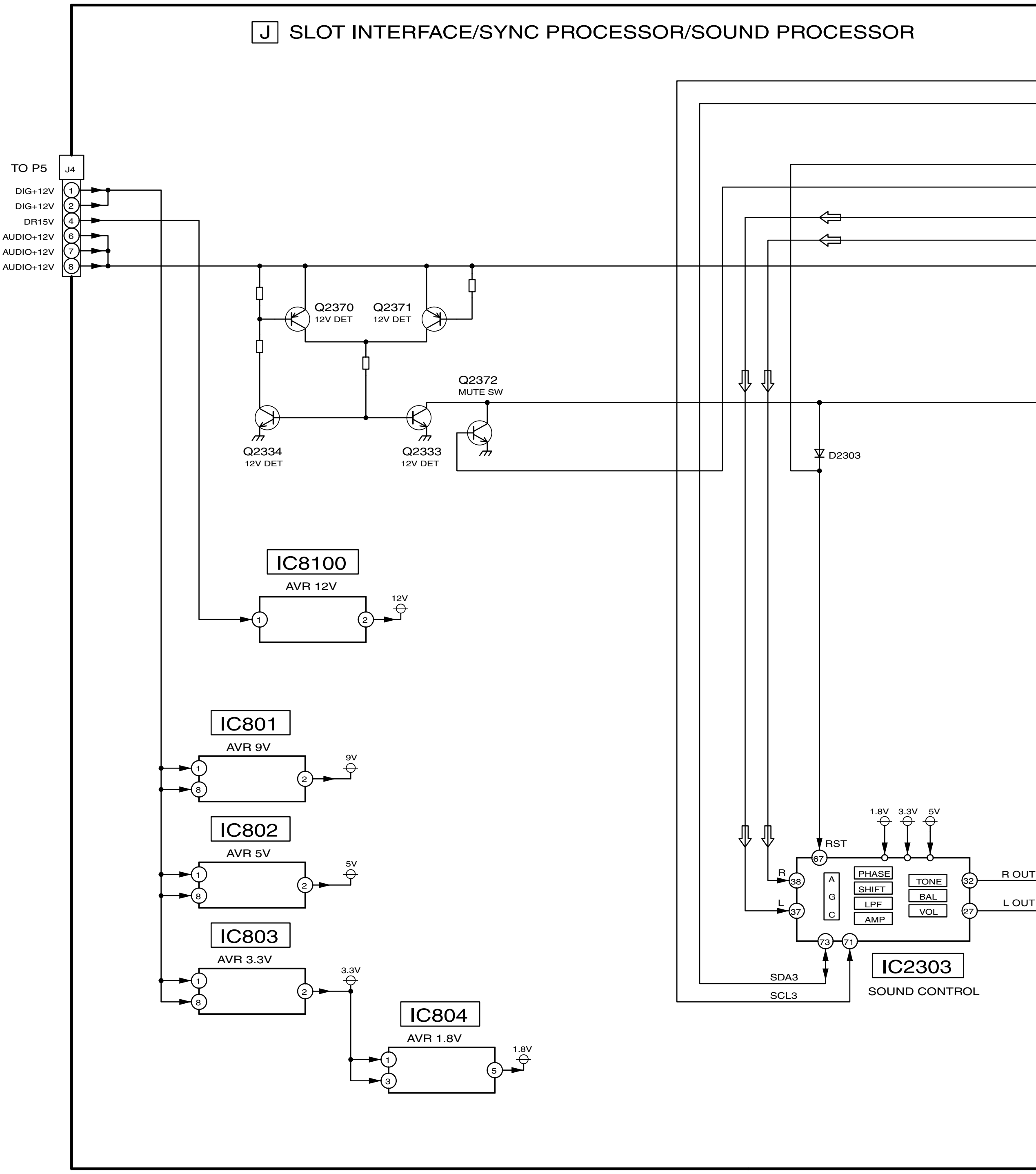
1 2 3 4

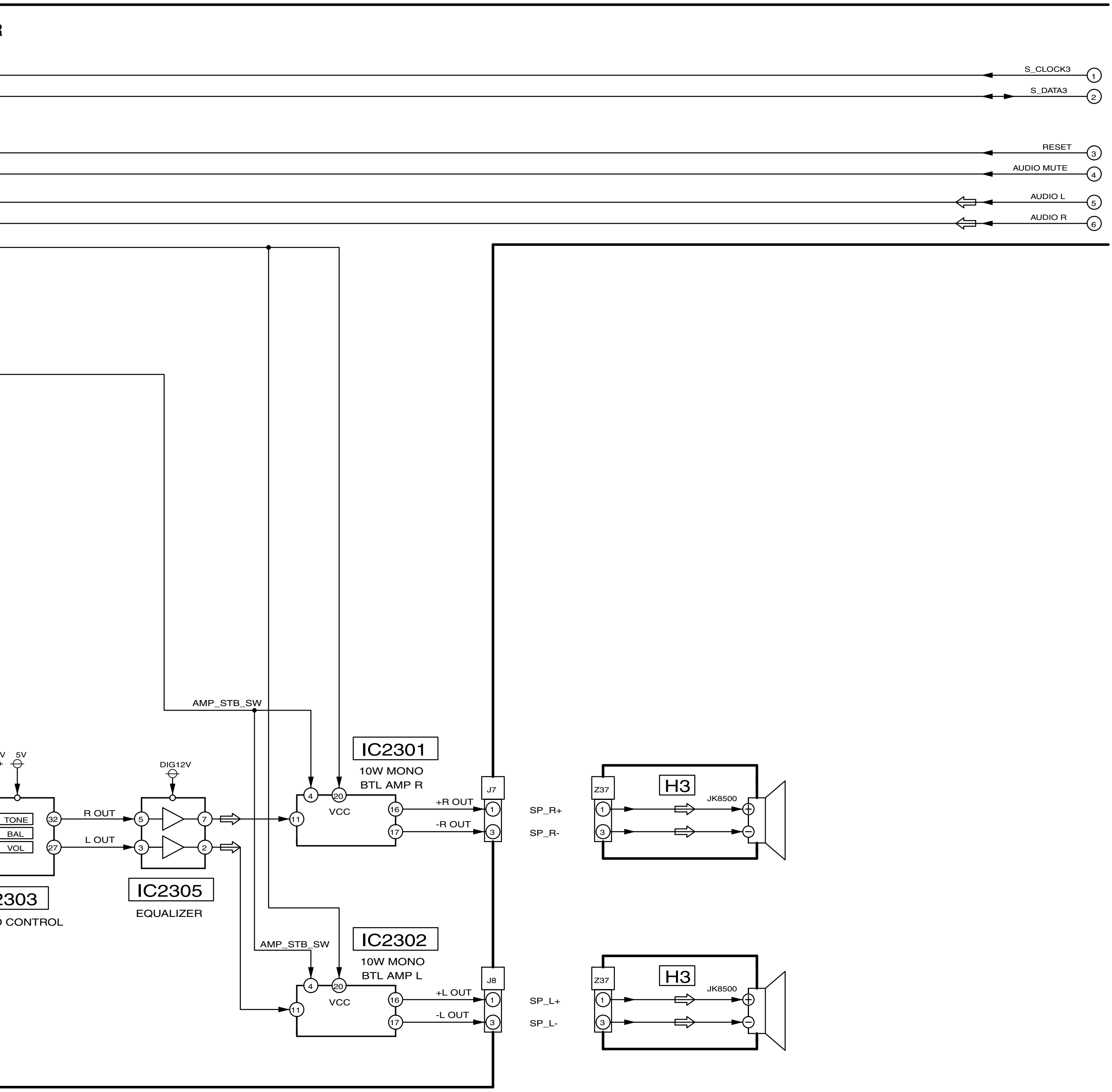

V1-BOARD TNPA3640
TO
J-BOARD
(J2)
V2
STB3.3V
LED_G
LED_R
OPT
GND
REMOCON
3.3
4.5
0
0
0
0.8
L1501
L1502
L1503
L1504
L1505
L1506
STB3.3V
R1550
1k
R1551
47
R1554
270
R1553
470
D1550
LNJ107W5PRW
LED G
LED R
D1551
MAZ80330LL
C1530
10u
6.3V
VCC
GND
VOUT
RM001
PNA4701M05TV
REMOTE RECIEVER
Q1540
2SD0601ASL
R1552
220k
R1500
1k
D1554
MAZ80330LL


V2-BOARD TNPA3641
TO
J-BOARD
(J15)
V15
KEY_SW
GND
3.2
0
0
L1507
L1508
R1510
2.2k
R1511
3k
R1512
4.7k
R1513
8.2k
SW1550
EVQPLHA15
SW1551
EVQPLHA15
SW1552
EVQPLHA15
SW1553
EVQPLHA15
SW1554
EVQPLHA15
VOL.DOWN
F
TV/VTR
VOL.UP
STR


TO
SS-BOARD
(SS34)
S34
STB_PS
NC
STB_PS_ON
12.0
0
12.0
PUSH
SW061
K0F162B00002
POWER SWITCH
S1-BOARD TNPA3642

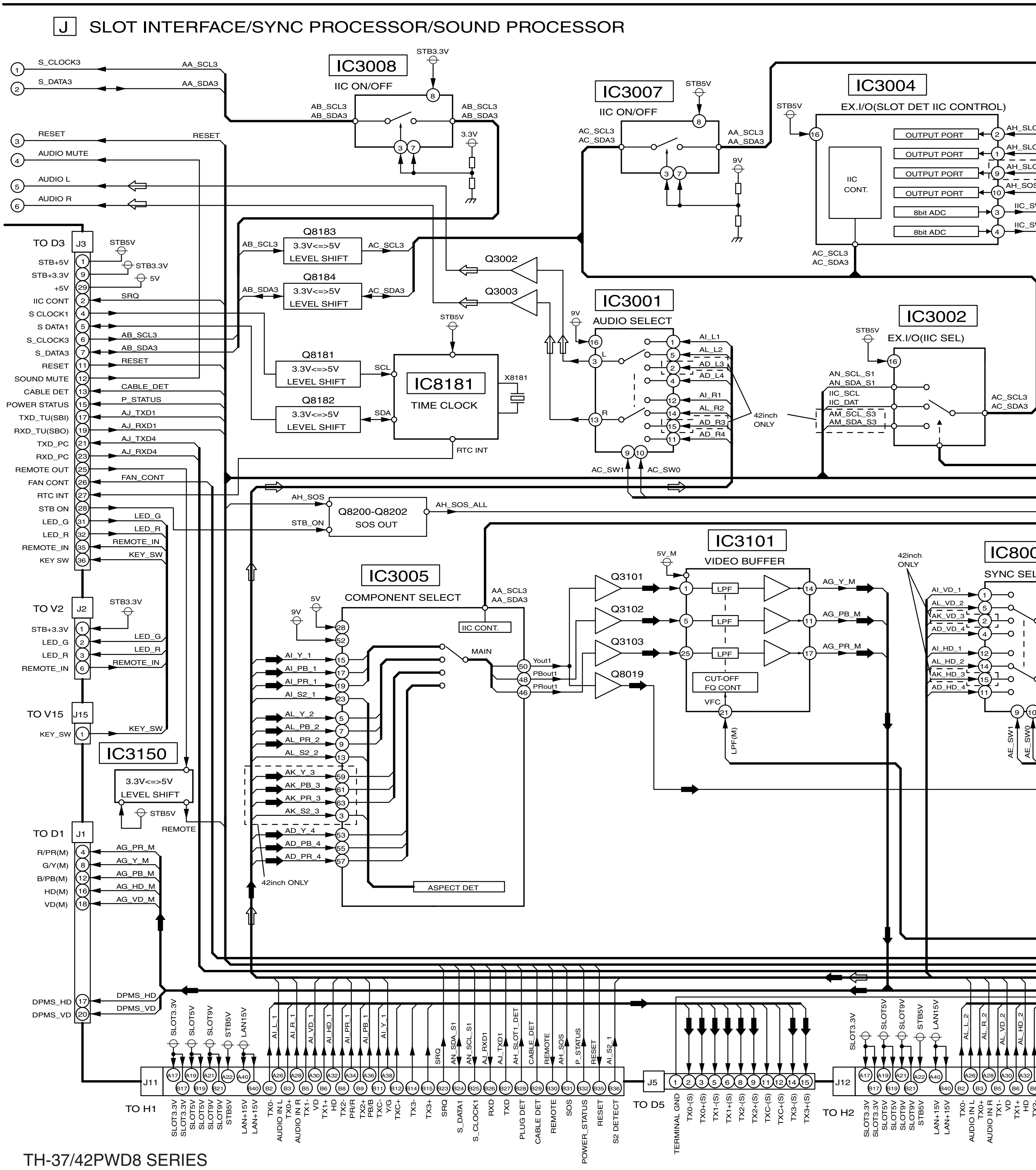
15.17. J-Board (1 of 2) and H3-Board Block Diagram


J
SLOT INTERFACE/SYNC PROCESSOR/SOUND PROCESSOR
TO P5
J4
DIG+12V 1
DIG+12V 2
DR15V 4
AUDIO+12V 6
AUDIO+12V 7
AUDIO+12V 8
Q2370
12V DET
Q2371
12V DET
Q2372
MUTE SW
Q2334
12V DET
Q2333
12V DET
D2303
IC8100
AVR 12V
12V
IC801
AVR 9V
9V
IC802
AVR 5V
5V
IC803
AVR 3.3V
3.3V
IC804
AVR 1.8V
1.8V
1.8V 3.3V 5V
RST
67
R
38
L
37
AGC
PHASE
SHIFT
LPF
AMP
TONE
BAL
VOL
32
R OUT
27
L OUT
73
71
SDA3
SCL3
IC2303
SOUND CONTROL

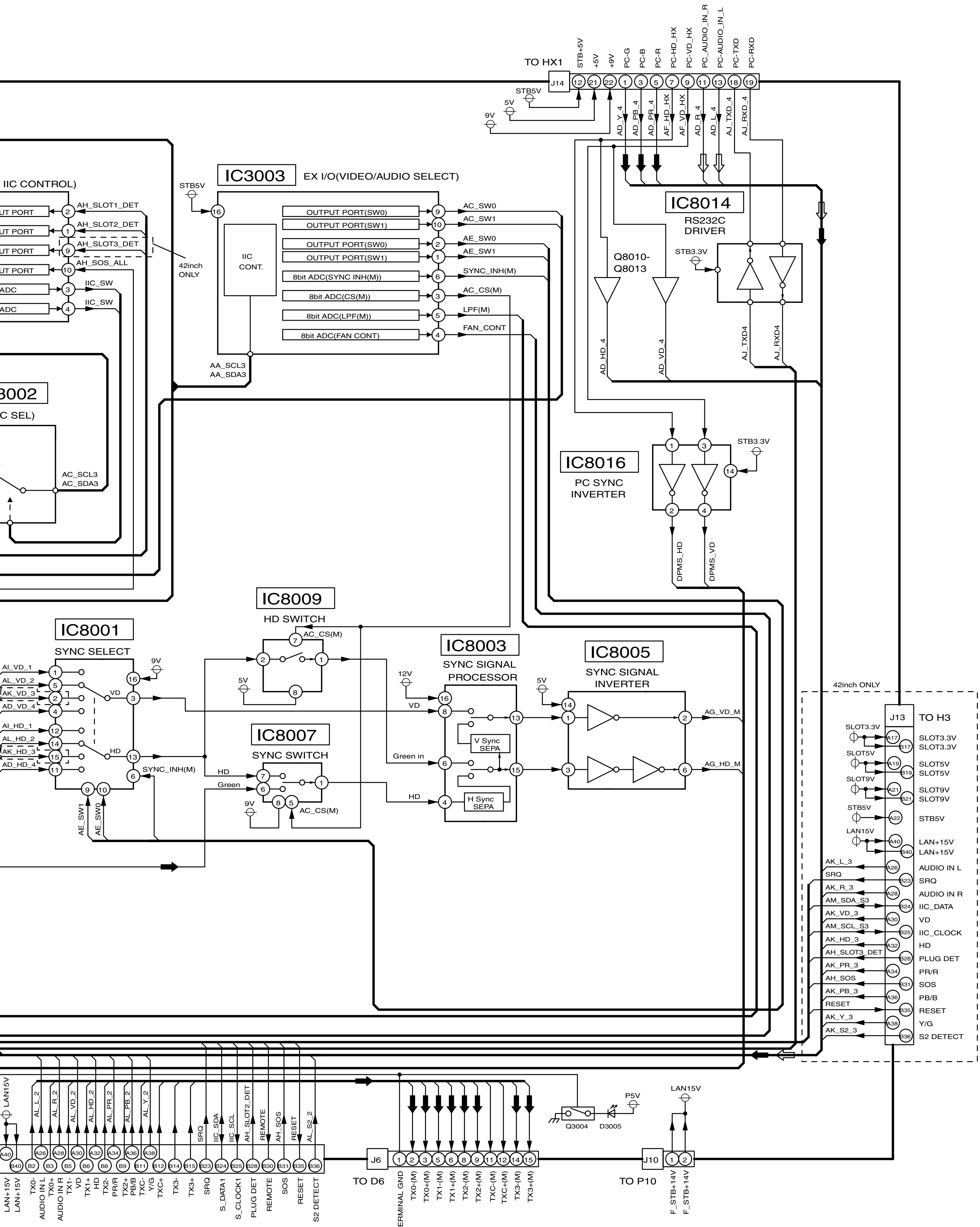

R
S_CLOCK3
1
S_DATA3
2
RESET
3
AUDIO MUTE
4
AUDIO L
5
AUDIO R
6
AMP_STB_SW
IC2301
10W MONO
BTL AMP R
VCC
4
20
11
16
17
+R OUT
-R OUT
J7
1
3
SP_R+
SP_R-
Z37
H3
JK8500
V
5V
DIG12V
TONE
BAL
VOL
32
27
R OUT
L OUT
5
3
7
2
2303
D CONTROL
IC2305
EQUALIZER
AMP_STB_SW
IC2302
10W MONO
BTL AMP L
VCC
+L OUT
-L OUT
J8
SP_L+
SP_L-
Z37
H3
JK8500

TH-37/42PWD8 SERIES
J-Board (1 of 2) and H3-Board Block Diagram

15.18. J-Board (2 of 2) Block Diagram

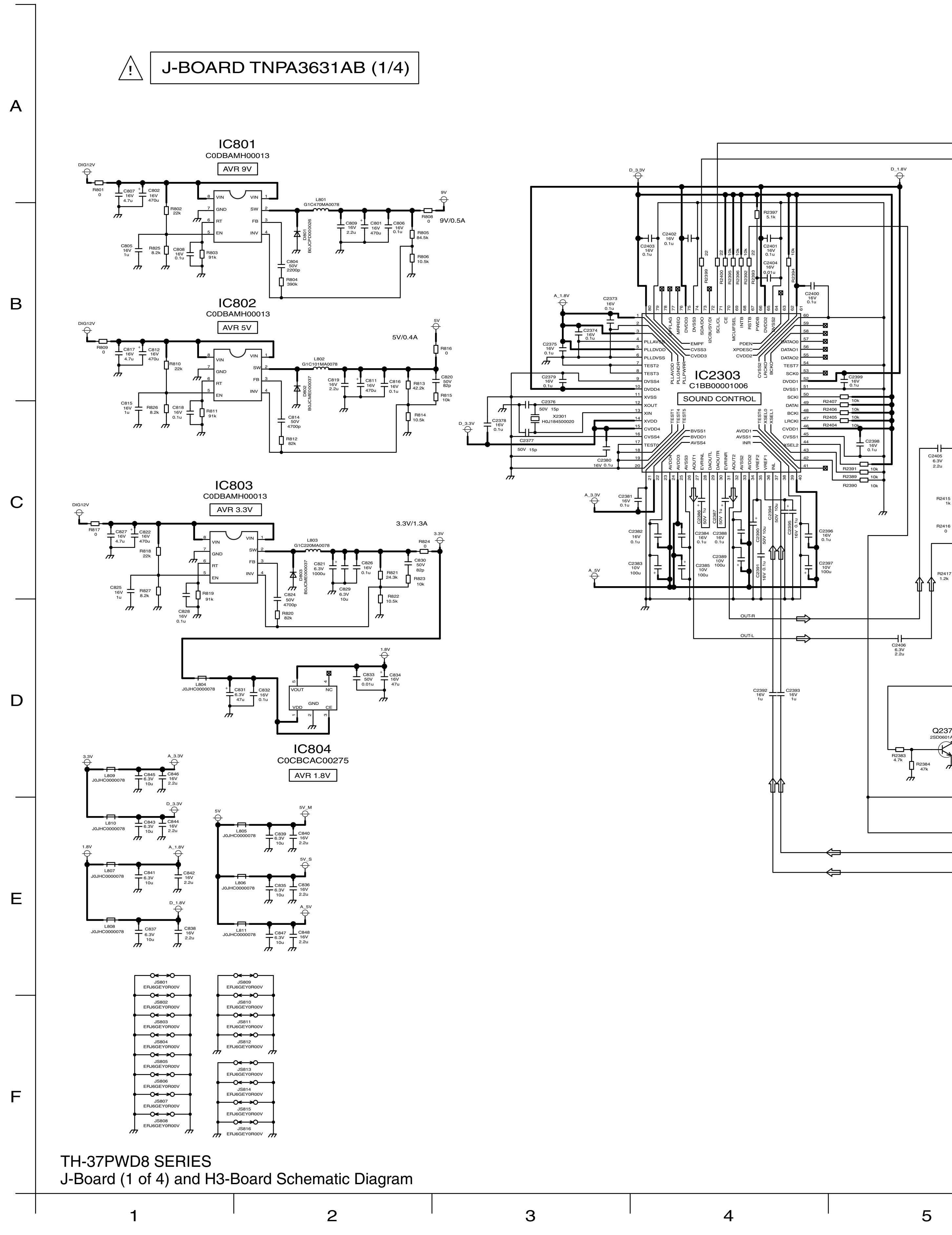

J SLOT INTERFACE/SYNC PROCESSOR/SOUND PROCESSOR
S_CLOCK3
S_DATA3
RESET
AUDIO MUTE
AUDIO L
AUDIO R
AA_SCL3
AA_SDA3
IC3008
IIC ON/OFF
STB3.3V
AB_SCL3
AB_SDA3
3.3V
IC3007
IIC ON/OFF
STB5V
AC_SCL3
AC_SDA3
9V
IC3004
EX.I/O(SLOT DET IIC CONTROL)
IIC CONT.
OUTPUT PORT
8bit ADC
AH_SOS
TO D3
J3
STB+5V
STB+3.3V
+5V
IIC CONT
S CLOCK1
S DATA1
S_CLOCK3
S_DATA3
SOUND MUTE
CABLE DET
POWER STATUS
TXD_TU(SBI)
RXD_TU(SBO)
TXD_PC
RXD_PC
REMOTE OUT
FAN CONT
RTC INT
STB ON
LED_G
LED_R
REMOTE_IN
KEY SW
SRQ
CABLE_DET
P_STATUS
AJ_TXD1
AJ_RXD1
AJ_TXD4
AJ_RXD4
FAN_CONT
Q8183
Q8184
Q8181
Q8182
3.3V<=>5V LEVEL SHIFT
SCL
SDA
IC8181
TIME CLOCK
X8181
RTC INT
Q3002
Q3003
IC3001
AUDIO SELECT
AI_L1
AL_L2
AD_L3
AD_L4
AI_R1
AL_R2
AD_R3
AD_R4
42inch ONLY
AC_SW1
AC_SW0
IC3002
EX.I/O(IIC SEL)
AN_SCL_S1
AN_SDA_S1
IIC_SCL
IIC_DAT
AM_SCL_S3
AM_SDA_S3
AH_SOS
STB_ON
Q8200-Q8202
SOS OUT
AH_SOS_ALL
IC3101
VIDEO BUFFER
5V_M
Q3101
Q3102
Q3103
Q8019
LPF
CUT-OFF FQ CONT
VFC
LPF(M)
AG_Y_M
AG_PB_M
AG_PR_M
IC8001
SYNC SEL
AI_VD_1
AL_VD_2
AK_VD_3
AD_VD_4
AI_HD_1
AL_HD_2
AK_HD_3
AD_HD_4
AE_SW1
AE_SW0
IC3005
COMPONENT SELECT
IIC CONT.
MAIN
Yout1
PBout1
PRout1
AI_Y_1
AI_PB_1
AI_PR_1
AI_S2_1
AL_Y_2
AL_PB_2
AL_PR_2
AL_S2_2
AK_Y_3
AK_PB_3
AK_PR_3
AK_S2_3
AD_Y_4
AD_PB_4
AD_PR_4
ASPECT DET
TO V2
J2
TO V15
J15
KEY_SW
IC3150
3.3V<=>5V LEVEL SHIFT
REMOTE
TO D1
J1
R/PR(M)
G/Y(M)
B/PB(M)
HD(M)
VD(M)
AG_HD_M
AG_VD_M
DPMS_HD
DPMS_VD
J11
TO H1
SLOT3.3V
SLOT5V
SLOT9V
STB5V
LAN15V
AUDIO IN L
AUDIO IN R
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
TXC-
TXC+
TX3-
TX3+
VD
HD
PR/R
PB/B
Y/G
SRQ
S_DATA1
S_CLOCK1
RXD
TXD
PLUG DET
CABLE DET
REMOTE
SOS
POWER_STATUS
RESET
S2 DETECT
J5
TO D5
TERMINAL GND
TX0-(S)
TX0+(S)
TX1-(S)
TX1+(S)
TX2-(S)
TX2+(S)
TXC-(S)
TXC+(S)
TX3-(S)
TX3+(S)
J12
TO H2

TH-37/42PWD8 SERIES
J-Board (2 of 2) Block Diagram

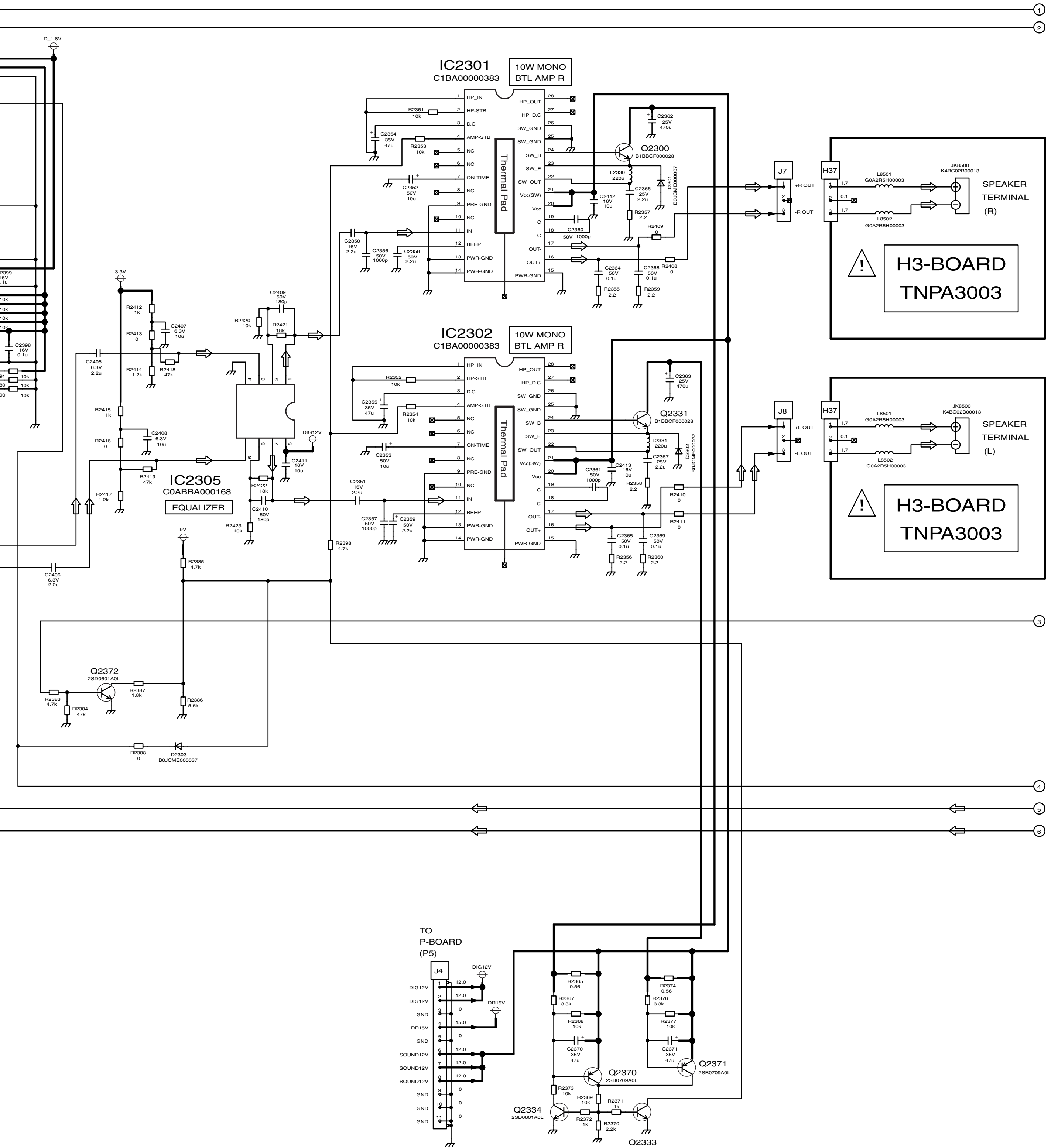

TO HX1
J14
STB+5V
+5V
+9V
PC-G
PC-B
PC-R
PC-HD_HX
PC-VD_HX
PC-AUDIO_IN_R
PC-AUDIO_IN_L
PC-TXD
PC-RXD
STB5V
5V
9V
AD_Y_4
AD_PB_4
AD_PR_4
AF_HD_HX
AF_VD_HX
AD_R_4
AD_L_4
AJ_TXD_4
AJ_RXD_4
IIC CONTROL)
UT PORT
ADC
AH_SLOT1_DET
AH_SLOT2_DET
AH_SLOT3_DET
AH_SOS_ALL
IIC_SW
42inch ONLY
IC3003
EX I/O(VIDEO/AUDIO SELECT)
STB5V
IIC CONT.
OUTPUT PORT(SW0)
OUTPUT PORT(SW1)
8bit ADC(SYNC INH(M))
8bit ADC(CS(M))
8bit ADC(LPF(M))
8bit ADC(FAN CONT)
AC_SW0
AC_SW1
AE_SW0
AE_SW1
SYNC_INH(M)
AC_CS(M)
LPF(M)
FAN_CONT
AA_SCL3
AA_SDA3
IC8014
RS232C DRIVER
STB3.3V
Q8010-Q8013
AD_HD_4
AD_VD_4
AJ_TXD4
AJ_RXD4
3002
C SEL)
AC_SCL3
AC_SDA3
IC8016
PC SYNC INVERTER
STB3.3V
DPMS_HD
DPMS_VD
IC8009
HD SWITCH
AC_CS(M)
IC8001
SYNC SELECT
9V
AI_VD_1
AL_VD_2
AK_VD_3
AD_VD_4
AI_HD_1
AL_HD_2
AK_HD_3
AD_HD_4
VD
HD
SYNC_INH(M)
AE_SW1
AE_SW0
IC8007
SYNC SWITCH
5V
HD
Green
9V
AC_CS(M)
IC8003
SYNC SIGNAL PROCESSOR
12V
VD
Green in
HD
V Sync SEPA
H Sync SEPA
IC8005
SYNC SIGNAL INVERTER
5V
AG_VD_M
AG_HD_M
42inch ONLY
J13
TO H3
SLOT3.3V
SLOT5V
SLOT9V
STB5V
LAN15V
LAN+15V
AK_L_3
SRQ
AK_R_3
AM_SDA_S3
AK_VD_3
AM_SCL_S3
AK_HD_3
AH_SLOT3_DET
AK_PR_3
AH_SOS
AK_PB_3
RESET
AK_Y_3
AK_S2_3
AUDIO IN L
AUDIO IN R
IIC_DATA
IIC_CLOCK
PLUG DET
PR/R
SOS
PB/B
Y/G
S2 DETECT
LAN15V
AL_L_2
AL_R_2
AL_VD_2
AL_HD_2
AL_PR_2
AL_PB_2
AL_Y_2
SRQ
IIC_SDA
IIC_SCL
AH_SLOT2_DET
REMOTE
AH_SOS
RESET
AL_S2_2
LAN+15V
TX0-
AUDIO IN L
TX0+
AUDIO IN R
TX1-
VD
TX1+
HD
TX2-
PR/R
TX2+
PB/B
TXC-
Y/G
TXC+
TX3-
TX3+
SRQ
S_DATA1
S_CLOCK1
PLUG DET
REMOTE
SOS
RESET
S2 DETECT
J6
TO D6
TERMINAL GND
TX0-(M)
TX0+(M)
TX1-(M)
TX1+(M)
TX2-(M)
TX2+(M)
TXC-(M)
TXC+(M)
TX3-(M)
TX3+(M)
P5V
Q3004
D3005
LAN15V
J10
TO P10
F_STB+14V

TH-37/42PWD8 SERIES
J-Board (2 of 2) Block Diagram

15.19. J-Board (1 of 4) Schematic Diagram (37 inch)


J-BOARD TNPA3631AB (1/4)
A
B
C
D
E
F
1
2
3
4
5
IC801
C0DBAMH00013
AVR 9V
DIG12V
9V
9V/0.5A
L801
G1C470MA0078
D801
B0JCPD000026
IC802
C0DBAMH00013
AVR 5V
5V
5V/0.4A
L802
G1C101MA0078
D802
B0JCME000037
IC803
C0DBAMH00013
AVR 3.3V
3.3V
3.3V/1.3A
L803
G1C220MA0078
D803
B0JCME000037
L804
J0JHC0000078
1.8V
IC804
C0CBCAC00275
AVR 1.8V
VIN
GND
RT
EN
SW
FB
INV
VOUT
NC
VDD
CE
A_3.3V
D_3.3V
A_1.8V
D_1.8V
5V_M
5V_S
A_5V
L805
L806
L807
L808
L809
L810
L811
J0JHC0000078
JS801
JS802
JS803
JS804
JS805
JS806
JS807
JS808
JS809
JS810
JS811
JS812
JS813
JS814
JS815
JS816
ERJ6GEY0R00V
IC2303
C1BB00001006
SOUND CONTROL
X2301
H0J184500020
PLLAVSS
PLLDVDD
PLLDVSS
TEST2
TEST3
DVSS4
DVDD4
XVSS
XOUT
XIN
XVDD
CVDD4
CVSS4
TEST0
EMPF
CVSS3
CVDD3
PDEN
XPDESC
CVDD2
DATAO0
DATAO1
DATAO2
TEST7
SCKO
DVDD1
DVSS1
SCKI
DATAI
BCKI
LRCKI
CVDD1
CVSS1
XSEL2
AVDD1
AVSS1
INR
BVSS1
BVDD1
AVSS4
OUT-R
OUT-L
Q237
2SD0601A

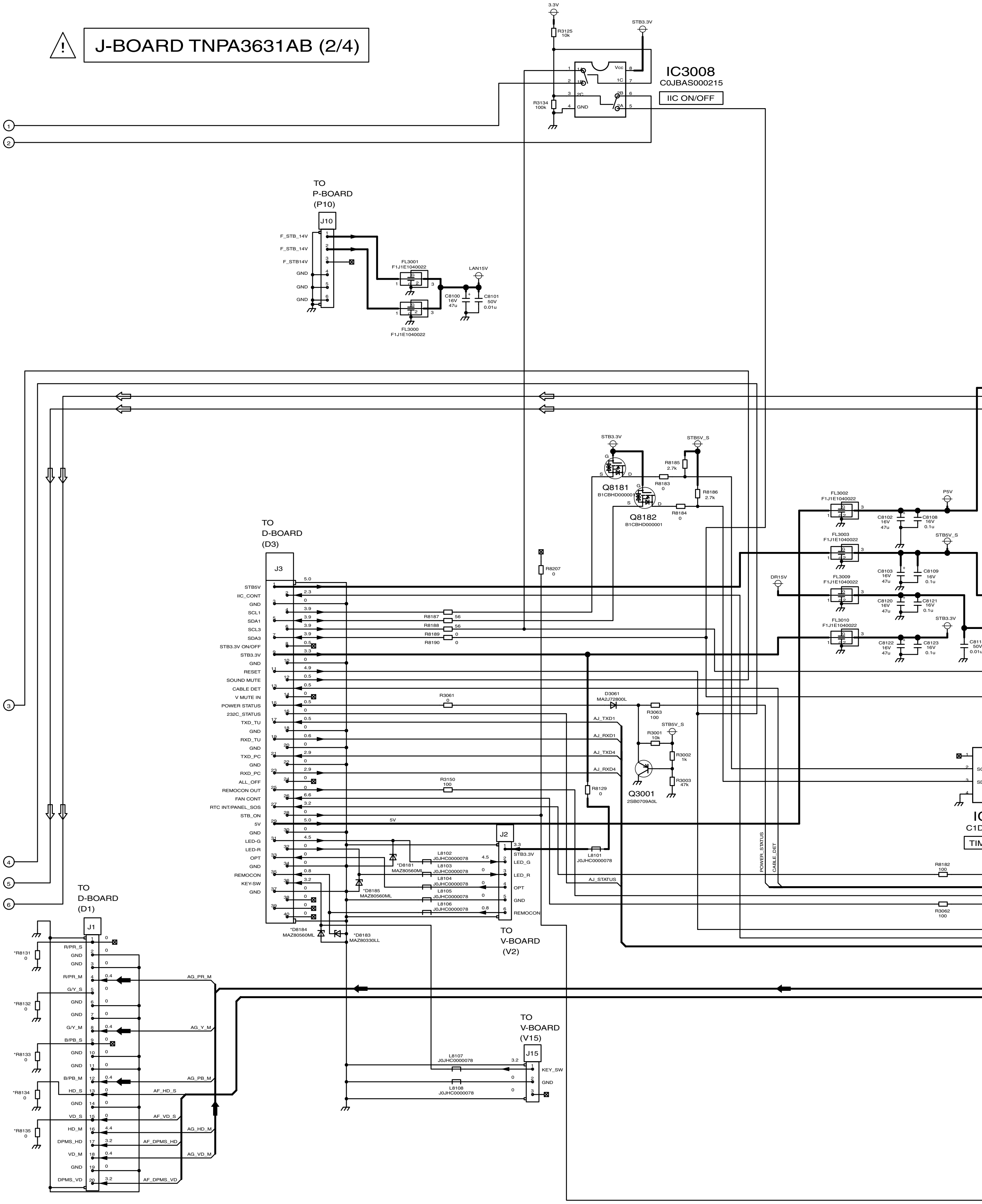
TH-37PWD8 SERIES
J-Board (1 of 4) and H3-Board Schematic Diagram

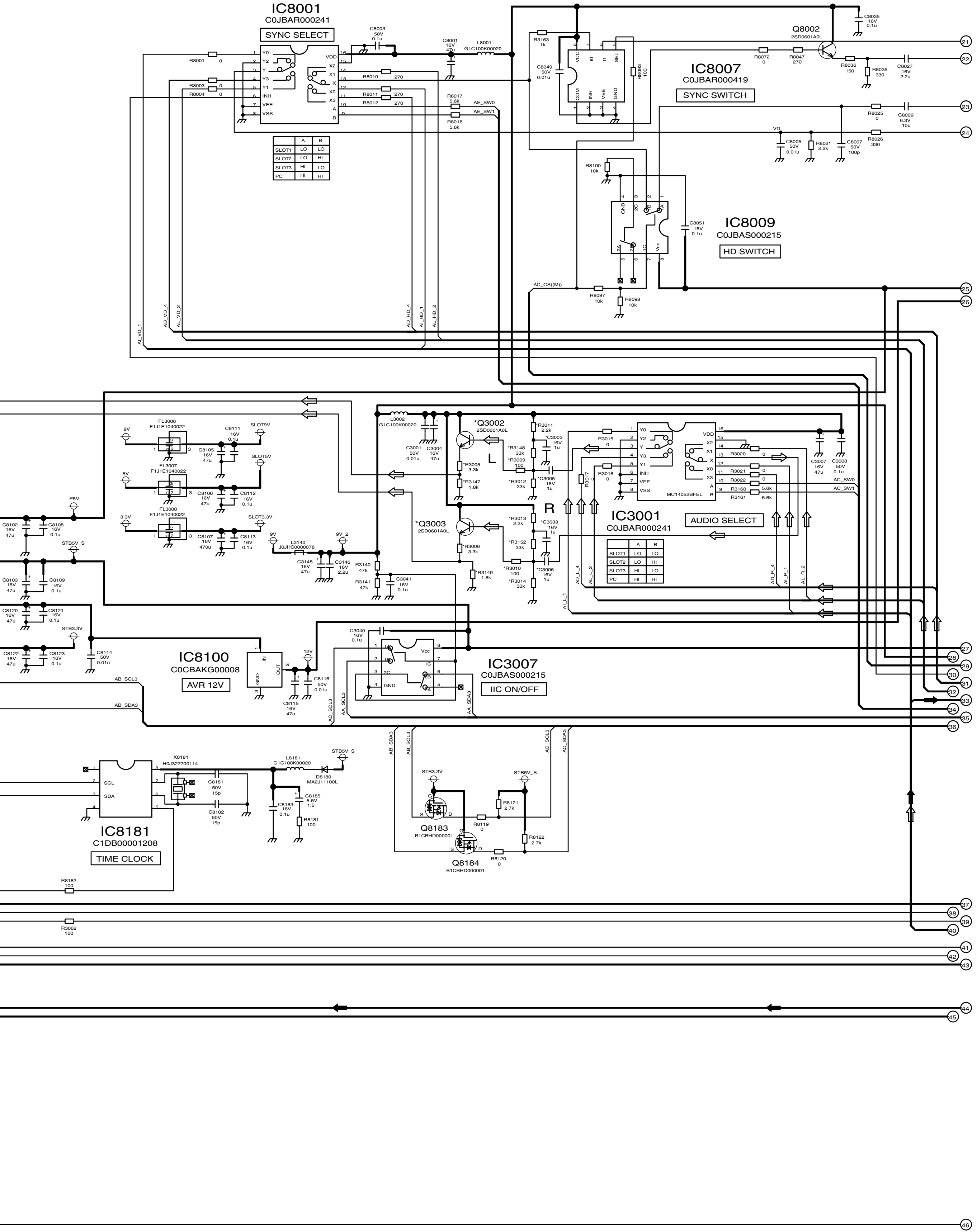


IC2301
C1BA00000383
10W MONO
BTL AMP R
HP_IN
HP-STB
D.C
AMP-STB
NC
ON-TIME
PRE-GND
IN
BEEP
PWR-GND
HP_OUT
HP_D.C
SW_GND
SW_B
SW_E
SW_OUT
Vcc(SW)
Vcc
C
OUT-
OUT+
Thermal Pad
Q2300
B1BBCF000028
L2330
220u
D2300
B0JCME000037
C2362
25V
470u
R2351
10k
C2354
35V
47u
R2353
10k
C2352
50V
10u
C2350
16V
2.2u
C2356
50V
1000p
C2358
50V
2.2u
C2412
16V
10u
C2366
25V
2.2u
R2357
2.2
R2409
0
C2360
50V 1000p
C2364
50V
0.1u
C2368
50V
0.1u
R2408
0
R2355
2.2
R2359
2.2
J7
+R OUT
-R OUT
H37
L8501
G0A2R5H00003
L8502
G0A2R5H00003
JK8500
K4BC02B00013
SPEAKER
TERMINAL
(R)
1.7
0.1
H3-BOARD
TNPA3003
IC2302
C1BA00000383
10W MONO
BTL AMP R
Q2331
B1BBCF000028
L2331
220u
D2302
B0JCME000037
C2363
25V
470u
R2352
10k
C2355
35V
47u
R2354
10k
C2353
50V
10u
C2351
16V
2.2u
C2357
50V
1000p
C2359
50V
2.2u
C2361
50V
1000p
C2413
16V
10u
C2367
25V
2.2u
R2358
2.2
R2410
0
R2411
0
C2365
50V
0.1u
C2369
50V
0.1u
R2356
2.2
R2360
2.2
R2398
4.7k
J8
+L OUT
-L OUT
SPEAKER
TERMINAL
(L)
D_1.8V
3.3V
C2399
16V
0.1u
C2398
16V
0.1u
10k
R2412
1k
R2413
0
C2407
6.3V
10u
C2405
6.3V
2.2u
R2414
1.2k
R2418
47k
R2415
1k
R2416
0
C2408
6.3V
10u
R2419
47k
R2417
1.2k
C2409
50V
180p
R2420
10k
R2421
18k
IC2305
C0ABBA000168
EQUALIZER
DIG12V
C2411
16V
10u
R2422
18k
C2410
50V
180p
R2423
10k
9V
R2385
4.7k
C2406
6.3V
2.2u
Q2372
2SD0601A0L
R2383
4.7k
R2384
47k
R2387
1.8k
R2386
5.6k
R2388
0
D2303
B0JCME000037
TO
P-BOARD
(P5)
J4
DIG12V
GND
DR15V
SOUND12V
12.0
0
15.0
R2365
0.56
R2367
3.3k
R2368
10k
C2370
35V
47u
Q2370
2SB0709A0L
R2373
10k
R2369
10k
R2371
1k
R2372
1k
R2370
2.2k
Q2334
2SD0601A0L
Q2333
2SD0601A0L
R2374
0.56
R2376
3.3k
R2377
10k
C2371
35V
47u
Q2371
2SB0709A0L
①
②
③
④
⑤
⑥
5
6
7
8
9

TH-37PWD8 SERIES
J-Board (1 of 4) and H3-Board Schematic Diagram

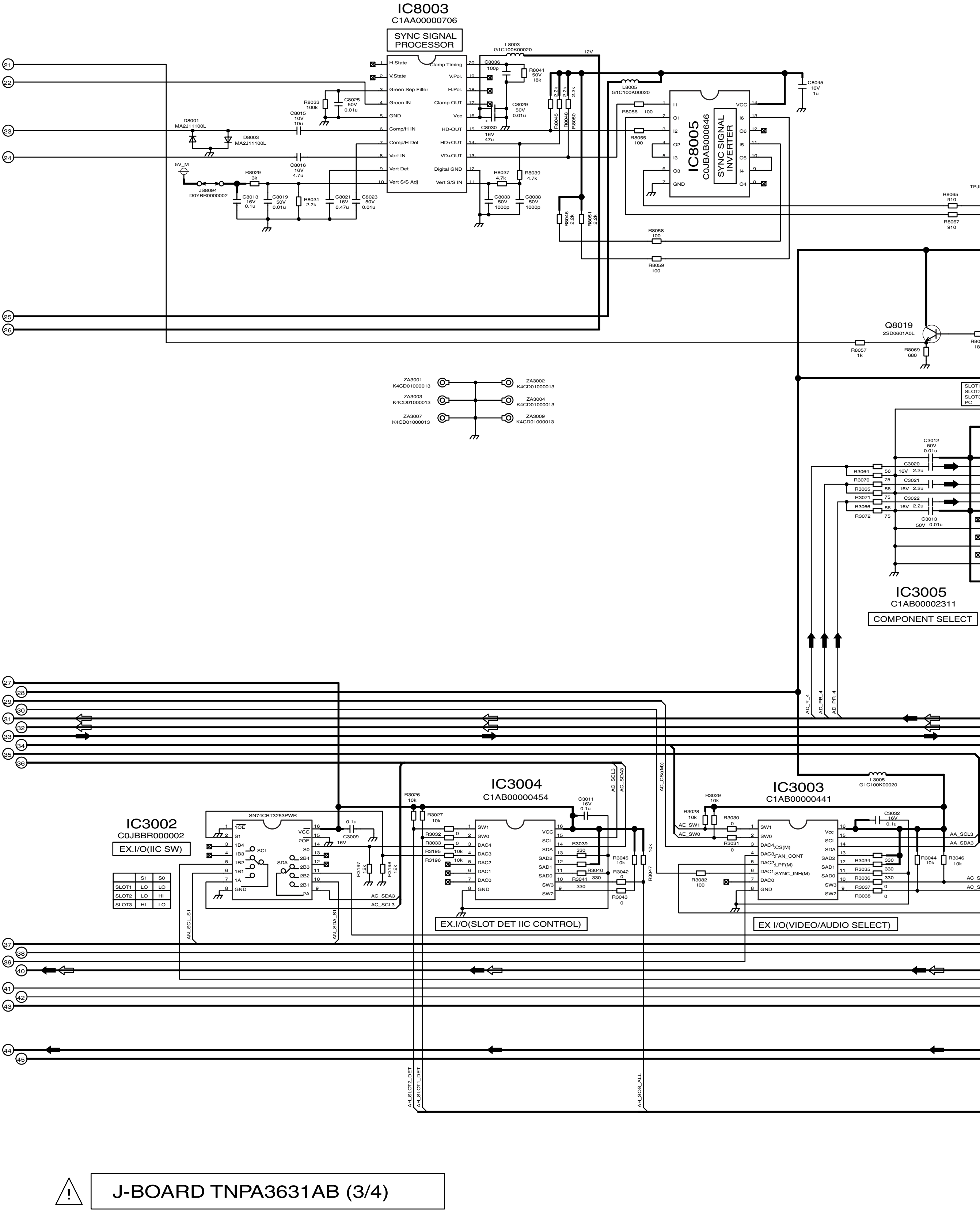
15.20. J-Board (2 of 4) Schematic Diagram (37 inch)

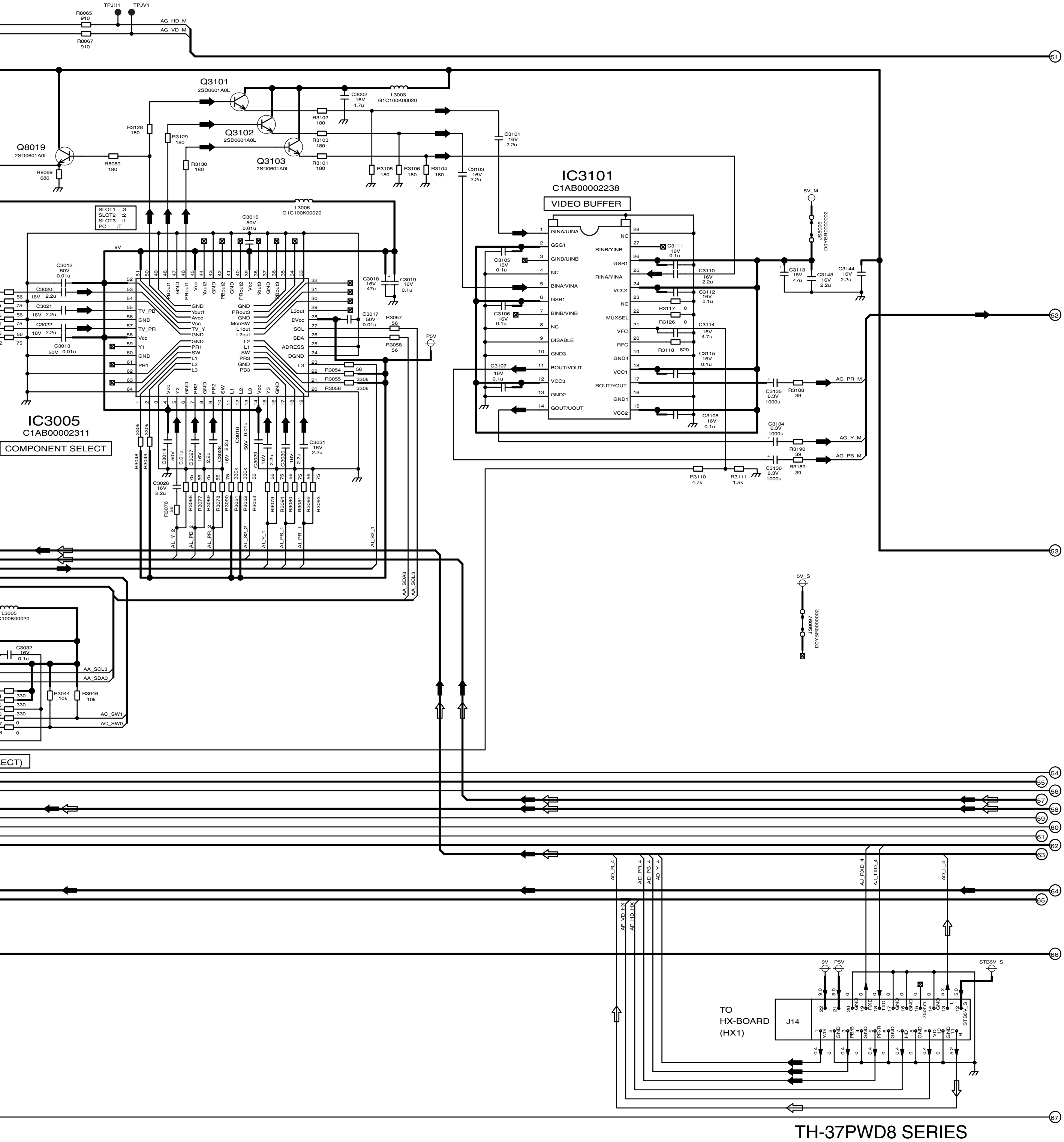

J-BOARD TNPA3631AB (2/4)
IC3008
C0JBAS000215
IIC ON/OFF
3.3V
R3125 10k
STB3.3V
R3134 100k
Vcc
GND
TO P-BOARD (P10)
J10
F_STB_14V
F_STB_14V
F_STB14V
GND
GND
GND
FL3001 F1J1E1040022
FL3000 F1J1E1040022
LAN15V
C8100 16V 47u
C8101 50V 0.01u
STB3.3V
STB5V_S
Q8181 B1CBHD000001
Q8182 B1CBHD000001
R8185 2.7k
R8183 0
R8186 2.7k
R8184 0
FL3002 F1J1E1040022
FL3003 F1J1E1040022
FL3009 F1J1E1040022
FL3010 F1J1E1040022
P5V
STB5V_S
DR15V
STB3.3V
C8102 16V 47u
C8108 16V 0.1u
C8103 16V 47u
C8109 16V 0.1u
C8120 16V 47u
C8121 16V 0.1u
C8122 16V 47u
C8123 16V 0.1u
TO D-BOARD (D3)
J3
STB5V
IIC_CONT
GND
SCL1
SDA1
SCL3
SDA3
STB3.3V ON/OFF
STB3.3V
GND
RESET
SOUND MUTE
CABLE DET
V MUTE IN
POWER STATUS
232C_STATUS
TXD_TU
GND
RXD_TU
GND
TXD_PC
GND
RXD_PC
ALL_OFF
REMOCON OUT
FAN CONT
RTC INT/PANEL_SOS
STB_ON
5V
GND
LED-G
LED-R
OPT
GND
REMOCON
KEY-SW
GND
R8187 56
R8188 56
R8189 0
R8190 0
R8207 0
R3061 0
R3150 100
D3061 MA2J72800L
R3063 100
R3001 10k
R3002 1k
R3003 47k
Q3001 2SB0709A0L
R8129 0
AJ_TXD1
AJ_RXD1
AJ_TXD4
AJ_RXD4
AJ_STATUS
POWER_STATUS
CABLE_DET
R8182 100
R3062 100
TO V-BOARD (V2)
J2
STB3.3V
LED_G
LED_R
OPT
GND
REMOCON
L8101 J0JHC0000078
L8102 J0JHC0000078
L8103 J0JHC0000078
L8104 J0JHC0000078
L8105 J0JHC0000078
L8106 J0JHC0000078
*D8181 MAZ80560ML
*D8185 MAZ80560ML
*D8184 MAZ80560ML
*D8183 MAZ80330LL
TO D-BOARD (D1)
J1
R/PR_S
GND
GND
R/PR_M
G/Y_S
GND
GND
G/Y_M
B/PB_S
GND
GND
B/PB_M
HD_S
GND
VD_S
HD_M
DPMS_HD
VD_M
GND
DPMS_VD
*R8131 0
*R8132 0
*R8133 0
*R8134 0
*R8135 0
AG_PR_M
AG_Y_M
AG_PB_M
AF_HD_S
AF_VD_S
AG_HD_M
AF_DPMS_HD
AG_VD_M
AF_DPMS_VD
TO V-BOARD (V15)
J15
KEY_SW
GND
L8107 J0JHC0000078
L8108 J0JHC0000078
①
②
③
④
⑤
⑥


IC8001
C0JBAR000241
SYNC SELECT
IC8007
C0JBAR000419
SYNC SWITCH
Q8002
2SD0601A0L
IC8009
C0JBAS000215
HD SWITCH
*Q3002
2SD0601A0L
*Q3003
2SD0601A0L
L
R
IC3001
C0JBAR000241
AUDIO SELECT
MC14052BFEL
IC8100
C0CBAKG00008
AVR 12V
IC3007
C0JBAS000215
IIC ON/OFF
IC8181
C1DB00001208
TIME CLOCK
Q8183
B1CBHD000001
Q8184
B1CBHD000001
SLOT1 LO LO
SLOT2 LO HI
SLOT3 HI LO
PC HI HI

TH-37PWD8 SERIES
J-Board (2 of 4) Schematic Diagram

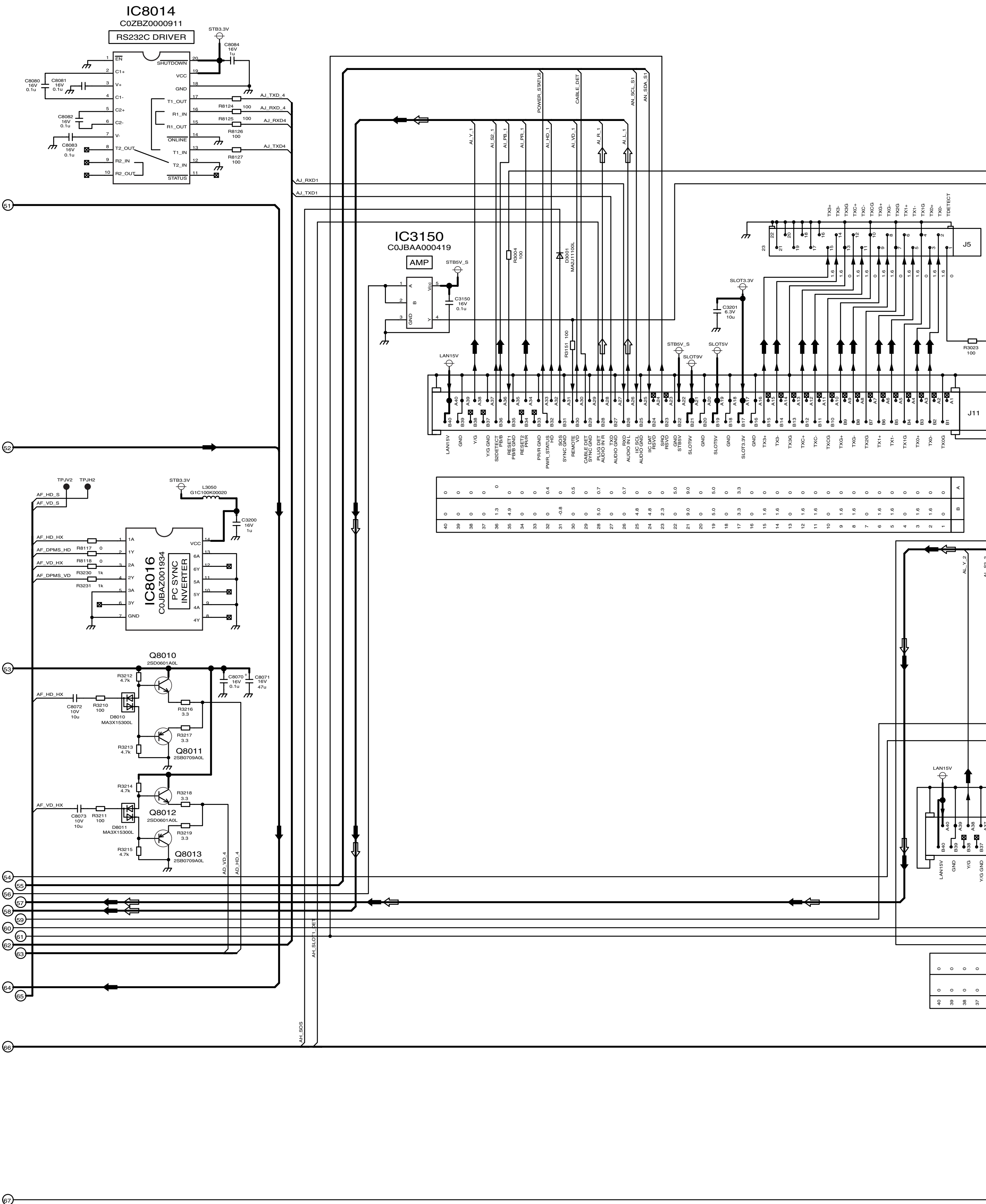
15.21. J-Board (3 of 4) Schematic Diagram (37 inch)


IC8003
C1AA00000706
SYNC SIGNAL PROCESSOR
H.State
V.State
Green Sep Filter
Green IN
GND
Comp/H IN
Comp/H Det
Vert IN
Vert Det
Vert S/S Adj
Clamp Timing
V.Pol.
H.Pol.
Clamp OUT
Vcc
HD-OUT
HD+OUT
VD+OUT
Digital GND
Vert S/S IN
L8003
G1C100K00020
12V
C8036 100p
R8041 50V 18k
C8029 50V 0.01u
C8030 16V 47u
R8037 4.7k
R8039 4.7k
C8033 50V 1000p
C8038 50V 1000p
R8033 100k
C8025 50V 0.01u
C8015 10V 10u
C8016 16V 4.7u
D8001 MA2J11100L
D8003 MA2J11100L
5V_M
JS8094 D0YBR0000002
R8029 3k
C8013 16V 0.1u
C8019 50V 0.01u
R8031 2.2k
C8021 16V 0.47u
C8023 50V 0.01u
R8045 2.2k
R8048 2.2k
R8050 2.2k
R8046 2.2k
R8051 2.2k
L8005 G1C100K00020
R8056 100
R8055 100
IC8005
C0JBAB000646
SYNC SIGNAL INVERTER
I1 O1 I2 O2 I3 O3 GND VCC I6 O6 I5 O5 I4 O4
C8045 16V 1u
R8058 100
R8059 100
R8065 910
R8067 910
TPJ
Q8019
2SD0601A0L
R8057 1k
R8069 680
ZA3001 K4CD01000013
ZA3002 K4CD01000013
ZA3003 K4CD01000013
ZA3004 K4CD01000013
ZA3007 K4CD01000013
ZA3009 K4CD01000013
SLOT1 SLOT2 SLOT3 PC
C3012 50V 0.01u
C3020 16V 2.2u
C3021 16V 2.2u
C3022 16V 2.2u
C3013 50V 0.01u
R3064 56
R3070 75
R3065 56
R3071 75
R3066 56
R3072 75
IC3005
C1AB00002311
COMPONENT SELECT
AD_Y_4
AD_PB_4
AD_PR_4
IC3002
C0JBBR000002
EX.I/O(IIC SW)
SN74CBT3253PWR
1OE S1 1B4 1B3 1B2 1B1 1A GND VCC 2OE S0 2B4 2B3 2B2 2B1 2A
SCL
SDA
0.1u
C3009 16V
R3197 12k
R3198 12k
AC_SDA3
AC_SCL3
AN_SCL_S1
AN_SDA_S1
S1 S0
SLOT1 LO LO
SLOT2 LO HI
SLOT3 HI LO
IC3004
C1AB00000454
EX.I/O(SLOT DET IIC CONTROL)
R3026 10k
R3027 10k
R3032 0
R3033 0
R3195 10k
R3196 10k
SW1 SW0 DAC4 DAC3 DAC2 DAC1 DAC0 GND VCC SCL SDA SAD2 SAD1 SAD0 SW3 SW2
C3011 16V 0.1u
R3039 330
R3040 330
R3041 330
R3045 10k
R3042 0
R3043 0
R3047 10k
AC_SCL3
AC_SDA3
AC_CS(M)
IC3003
C1AB00000441
EX I/O(VIDEO/AUDIO SELECT)
L3005 G1C100K00020
R3029 10k
R3028 10k
R3030 0
R3031 0
AE_SW1
AE_SW0
C3032 16V 0.1u
CS(M)
FAN_CONT
LPF(M)
SYNC_INH(M)
R3082 100
R3034 330
R3035 330
R3036 330
R3037 0
R3038 0
R3044 10k
R3046 10k
AA_SCL3
AA_SDA3
AC_S
AH_SLOT2_DET
AH_SLOT1_DET
AH_SOS_ALL
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
J-BOARD TNPA3631AB (3/4)


TPJH1
TPJV1
R8065 910
R8067 910
AG_HD_M
AG_VD_M
Q3101 2SD0601A0L
Q3102 2SD0601A0L
Q3103 2SD0601A0L
Q8019 2SD0601A0L
C3002 16V 4.7u
L3003 G1C100K00020
R3128 180
R3129 180
R3130 180
R3102 180
R3103 180
R3101 180
R3105 180
R3106 180
R3104 180
R8089 180
R8069 680
C3101 16V 2.2u
C3103 16V 2.2u
IC3101
C1AB00002238
VIDEO BUFFER
GINA/UINA
GSG1
GINB/UINB
NC
BINA/VINA
GSB1
BINB/VINB
DISABLE
GND3
BOUT/VOUT
VCC3
GND2
GOUT/UOUT
RINB/YINB
GSR1
RINA/YINA
VCC4
MUXSEL
VFC
RFC
GND4
VCC1
ROUT/YOUT
GND1
VCC2
5V_M
JS8096 D0YBR0000002
C3113 16V 47u
C3143 16V 2.2u
C3144 16V 2.2u
C3135 6.3V 1000u
C3134 6.3V 1000u
C3136 6.3V 1000u
R3188 39
R3190 39
R3189 39
AG_PR_M
AG_Y_M
AG_PB_M
R3110 4.7k
R3111 1.5k
R3117 0
R3126 0
R3118 820
SLOT1 :3
SLOT2 :2
SLOT3 :1
PC :T
L3006 G1C100K00020
C3015 50V 0.01u
9V
IC3005
C1AB00002311
COMPONENT SELECT
TV_PB
TV_PR
L3out
DVcc
SCL
SDA
ADRESS
DGND
R3057 56
R3058 56
R3054 56
R3055 330k
R3056 330k
P5V
AI_Y_2
AI_PB_2
AI_PR_2
AI_S2_2
AI_Y_1
AI_PB_1
AI_PR_1
AI_S2_1
AA_SDA3
AA_SCL3
L3005
C3032 16V 0.1u
AA_SCL3
AA_SDA3
R3044 10k
R3046 10k
AC_SW1
AC_SW0
5V_S
JS8097 D0YBR0000002
AD_R_4
AD_PR_4
AD_PB_4
AD_Y_4
AJ_RXD_4
AJ_TXD_4
AD_L_4
AF_VD_HX
AF_HD_HX
9V
P5V
STB5V_S
TO
HX-BOARD
(HX1)
J14
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
23
24
25
26
27

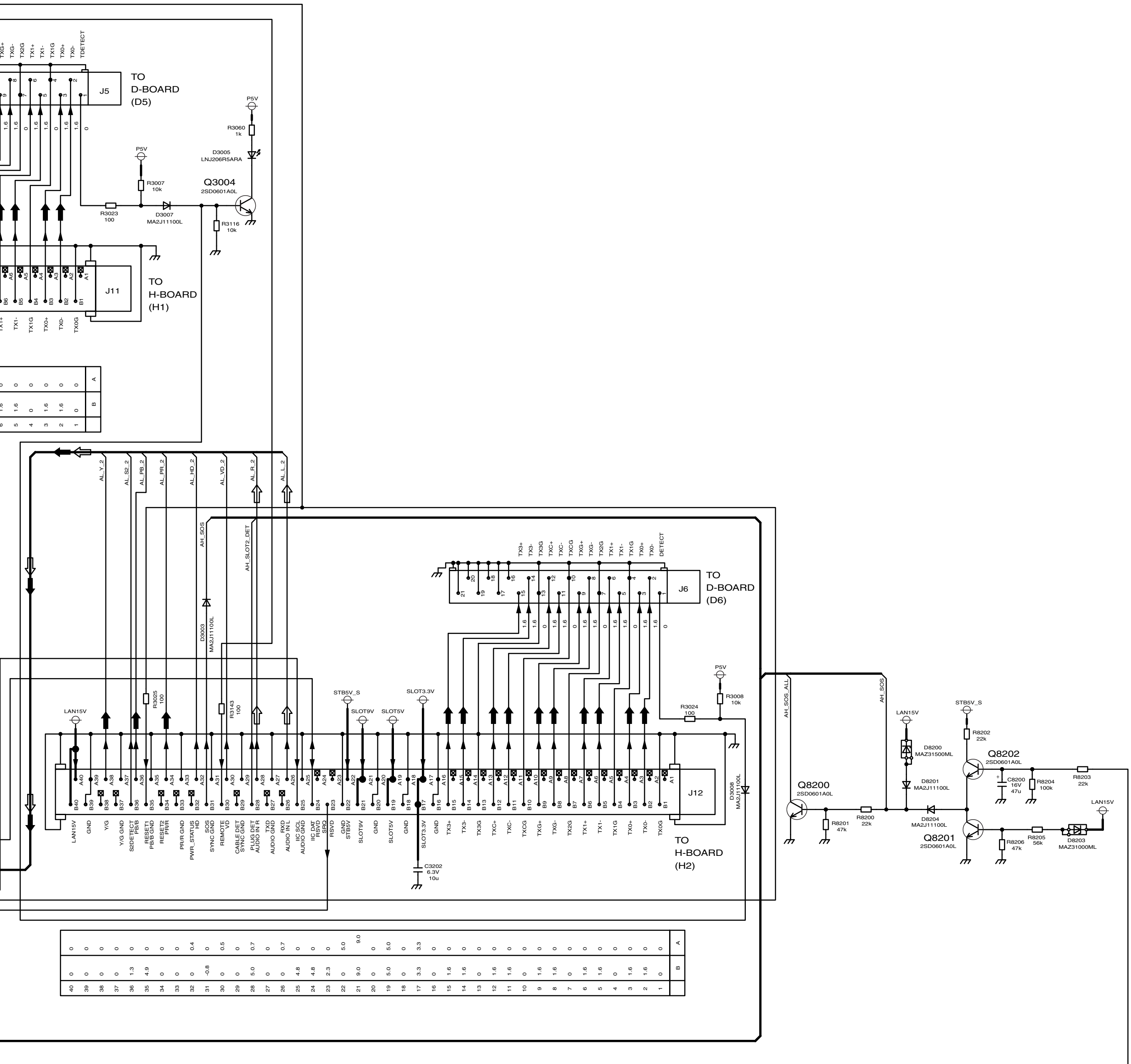
TH-37PWD8 SERIES
J-Board (3 of 4) Schematic Diagram

15.22. J-Board (4 of 4) Schematic Diagram (37 inch)


IC8014
C0ZBZ0000911
RS232C DRIVER
STB3.3V
IC3150
C0JBAA000419
AMP
STB5V_S
IC8016
C0JBAZ001934
PC SYNC INVERTER
L3050
G1C100K00020
Q8010
2SD0601A0L
Q8011
2SB0709A0L
Q8012
2SD0601A0L
Q8013
2SB0709A0L
D8010
MA3X15300L
D8011
MA3X15300L
D3001
MA3J1110L
J5
J11
LAN15V
SLOT3.3V
SLOT9V
SLOT5V
AJ_TXD_4
AJ_RXD_4
AJ_RXD4
AJ_TXD4
AJ_RXD1
AJ_TXD1
POWER_STATUS
CABLE_DET
AN_SCL_S1
AN_SDA_S1
AF_HD_S
AF_VD_S
AF_HD_HX
AF_DPMS_HD
AF_VD_HX
AF_DPMS_VD
AD_VD_4
AD_HD_4
AH_SLOT_DET
AH_SOS
TPJV2
TPJH2
28
29
30
31
32

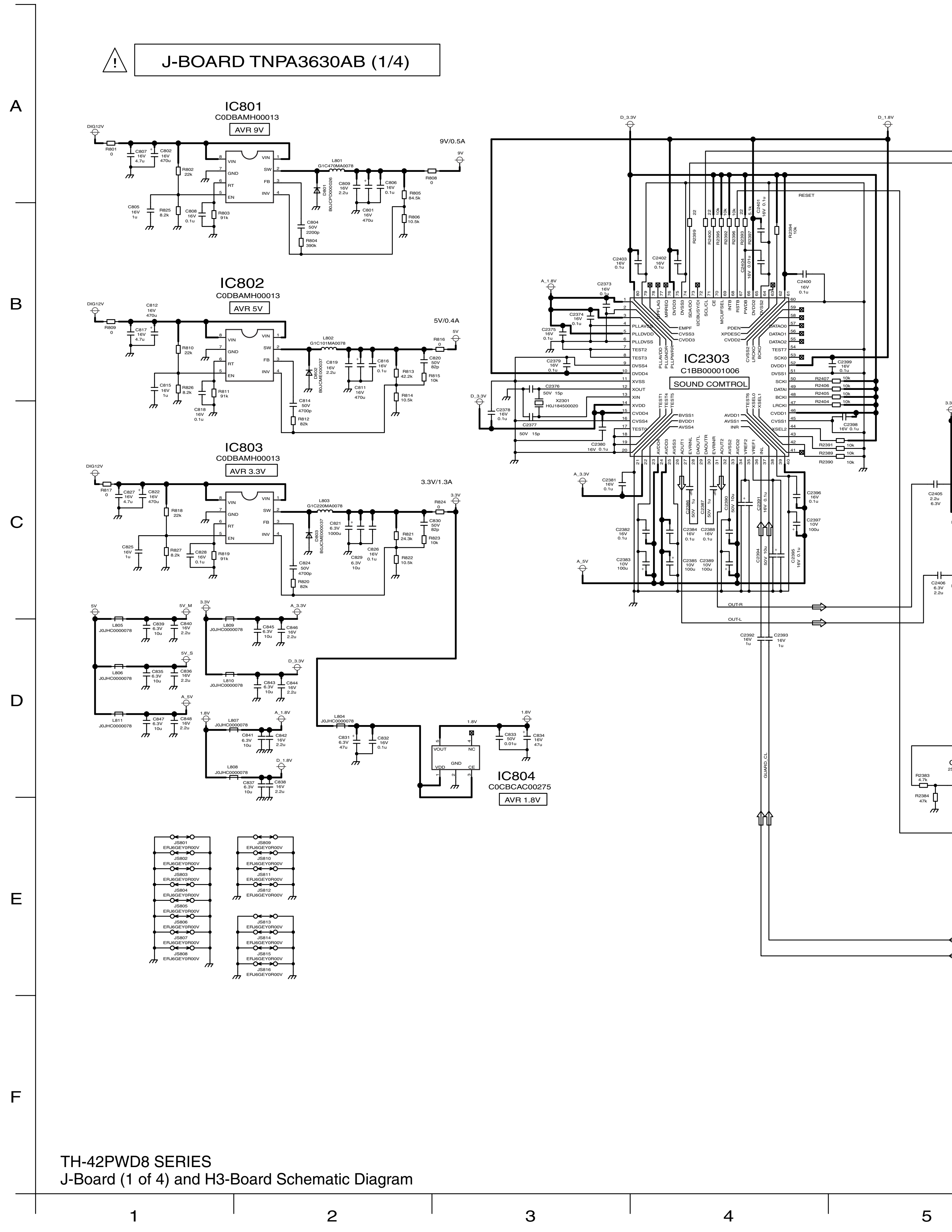
TH-37PWD8 SERIES
J-Board (4 of 4) Schematic Diagram

J-BOARD TNPA3631AB (4/4)

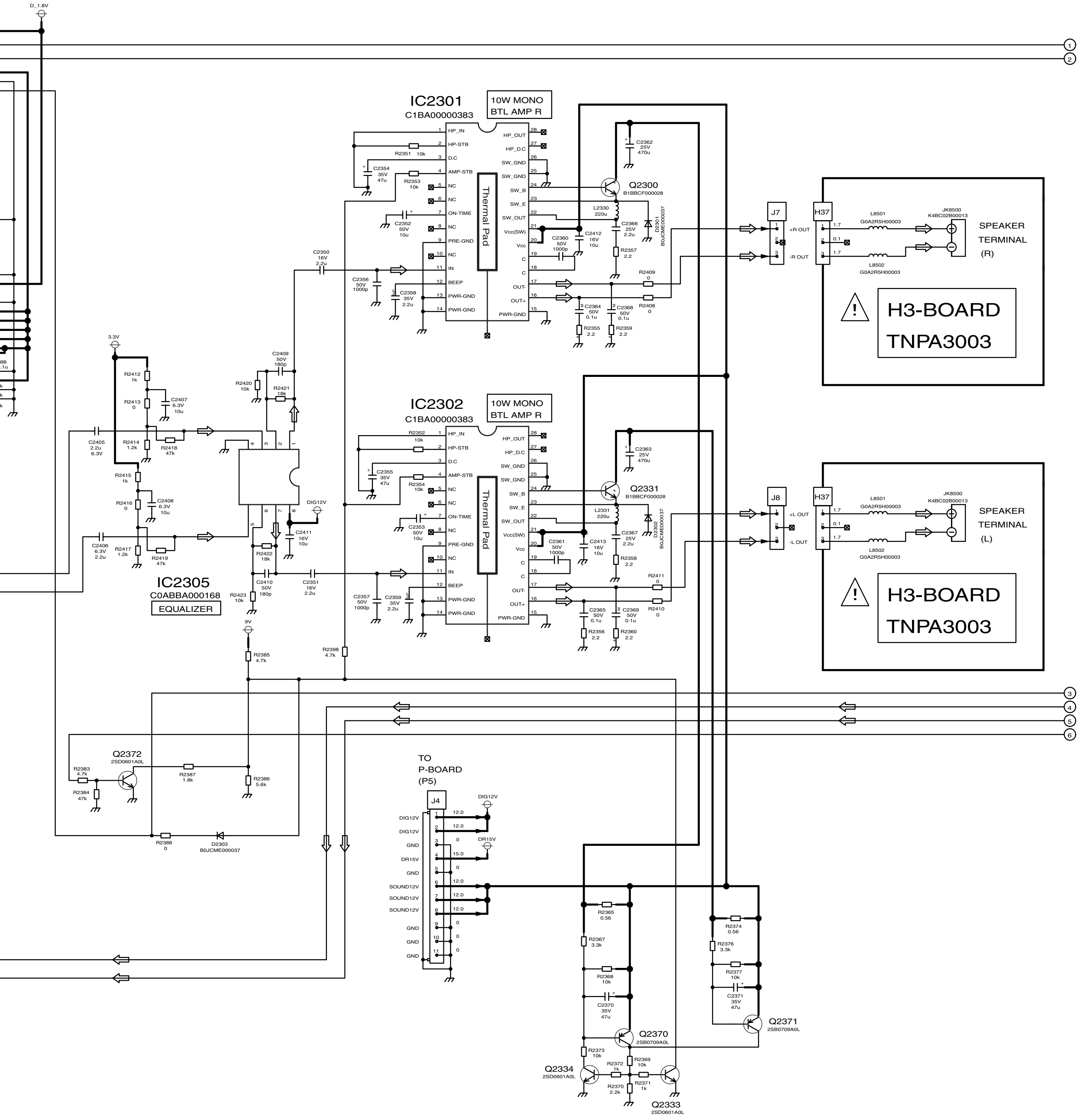

J5
TO
D-BOARD
(D5)
J11
TO
H-BOARD
(H1)
J6
TO
D-BOARD
(D6)
J12
TO
H-BOARD
(H2)
Q3004
2SD0601A0L
D3005
LNJ206R5ARA
R3060
1k
R3007
10k
R3023
100
D3007
MA2J11100L
R3116
10k
P5V
AL_Y_2
AL_S2_2
AL_PB_2
AL_PR_2
AL_HD_2
AL_VD_2
AL_R_2
AL_L_2
AH_SOS
AH_SLOT2_DET
D3003
MA2J11100L
R3025
100
R3143
100
LAN15V
STB5V_S
SLOT9V
SLOT5V
SLOT3.3V
C3202
6.3V
10u
R3024
100
R3008
10k
D3006
MA2J11100L
AH_SOS_ALL
Q8200
2SD0601A0L
R8201
47k
R8200
22k
D8200
MAZ31500ML
D8201
MA2J11100L
D8204
MA2J11100L
Q8201
2SD0601A0L
Q8202
2SD0601A0L
R8202
22k
C8200
16V
47u
R8204
100k
R8203
22k
R8205
56k
R8206
47k
D8203
MAZ31000ML

TH-37PWD8 SERIES
J-Board (4 of 4) Schematic Diagram

15.23. J-Board (1 of 4) Schematic Diagram (42 inch)


J-BOARD TNPA3630AB (1/4)
IC801
C0DBAMH00013
AVR 9V
9V/0.5A
IC802
C0DBAMH00013
AVR 5V
5V/0.4A
IC803
C0DBAMH00013
AVR 3.3V
3.3V/1.3A
IC804
C0CBCAC00275
AVR 1.8V
IC2303
C1BB00001006
SOUND COMTROL
X2301
H0J184500020
DIG12V
D_3.3V
D_1.8V
A_1.8V
A_3.3V
A_5V
5V_M
5V_S
RESET
OUT-R
OUT-L
GUARD_CL
A
B
C
D
E
F
1
2
3
4
5

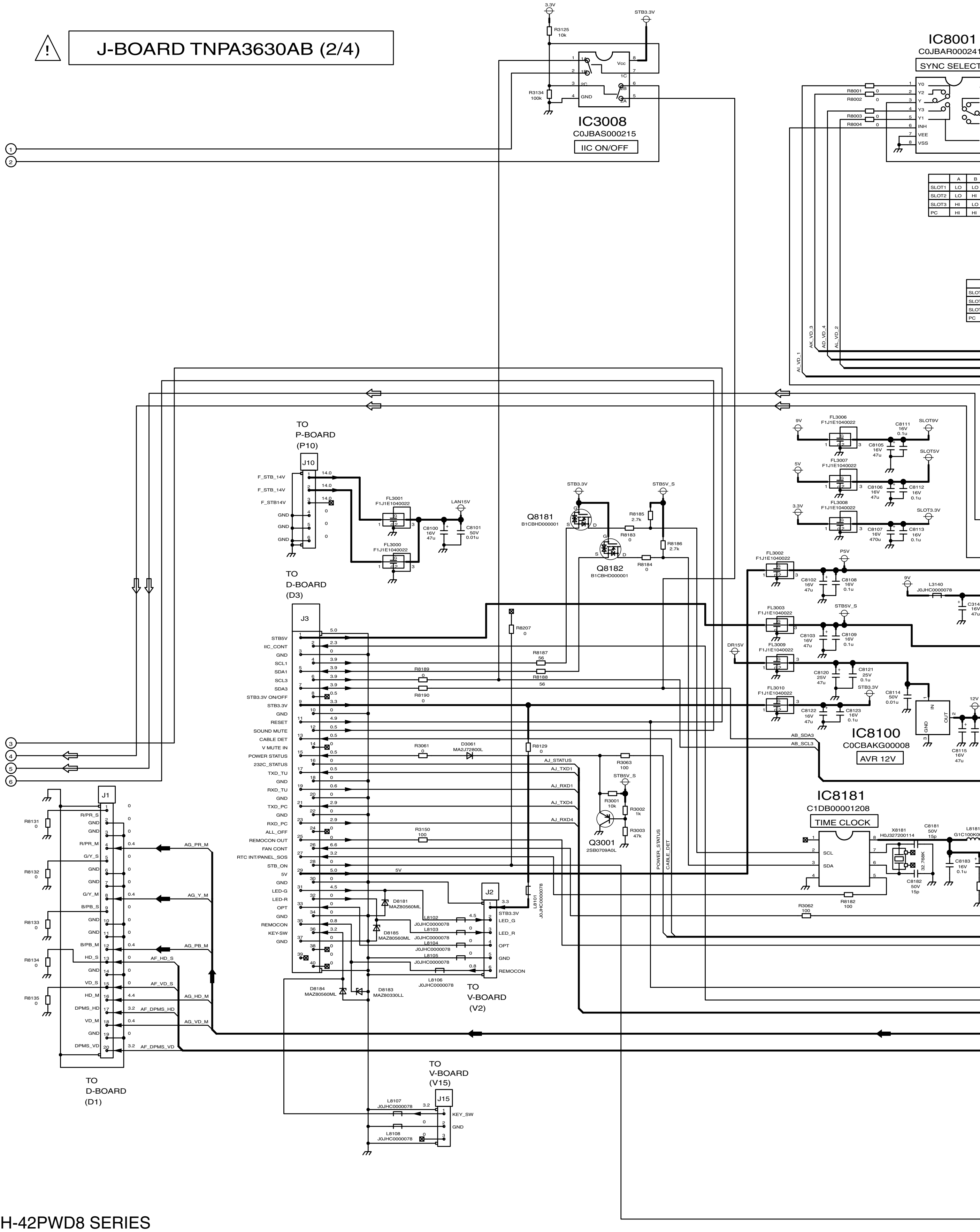
TH-42PWD8 SERIES
J-Board (1 of 4) and H3-Board Schematic Diagram


D_1.8V
IC2301
C1BA00000383
10W MONO BTL AMP R
HP_IN
HP-STB
D.C
AMP-STB
NC
ON-TIME
PRE-GND
IN
BEEP
PWR-GND
HP_OUT
HP_D.C
SW_GND
SW_B
SW_E
SW_OUT
Vcc(SW)
Vcc
OUT-
OUT+
Thermal Pad
Q2300
B1BBCF000028
L2330
220u
D2301
B0JCME000037
J7
+R OUT
-R OUT
H37
L8501
G0A2R5H00003
L8502
G0A2R5H00003
JK8500
K4BC02B00013
SPEAKER TERMINAL (R)
H3-BOARD
TNPA3003
IC2302
C1BA00000383
10W MONO BTL AMP R
Q2331
B1BBCF000028
L2331
220u
D2302
B0JCME000037
J8
+L OUT
-L OUT
SPEAKER TERMINAL (L)
H3-BOARD
TNPA3003
3.3V
IC2305
C0ABBA000168
EQUALIZER
DIG12V
9V
Q2372
2SD0601A0L
D2303
B0JCME000037
TO P-BOARD (P5)
J4
DIG12V
DIG12V
GND
DR15V
GND
SOUND12V
SOUND12V
SOUND12V
GND
GND
GND
DR15V
Q2370
2SB0709A0L
Q2371
2SB0709A0L
Q2334
2SD0601A0L
Q2333
2SD0601A0L
①
②
③
④
⑤
⑥

TH-42PWD8 SERIES
J-Board (1 of 4) and H3-Board Schematic Diagram

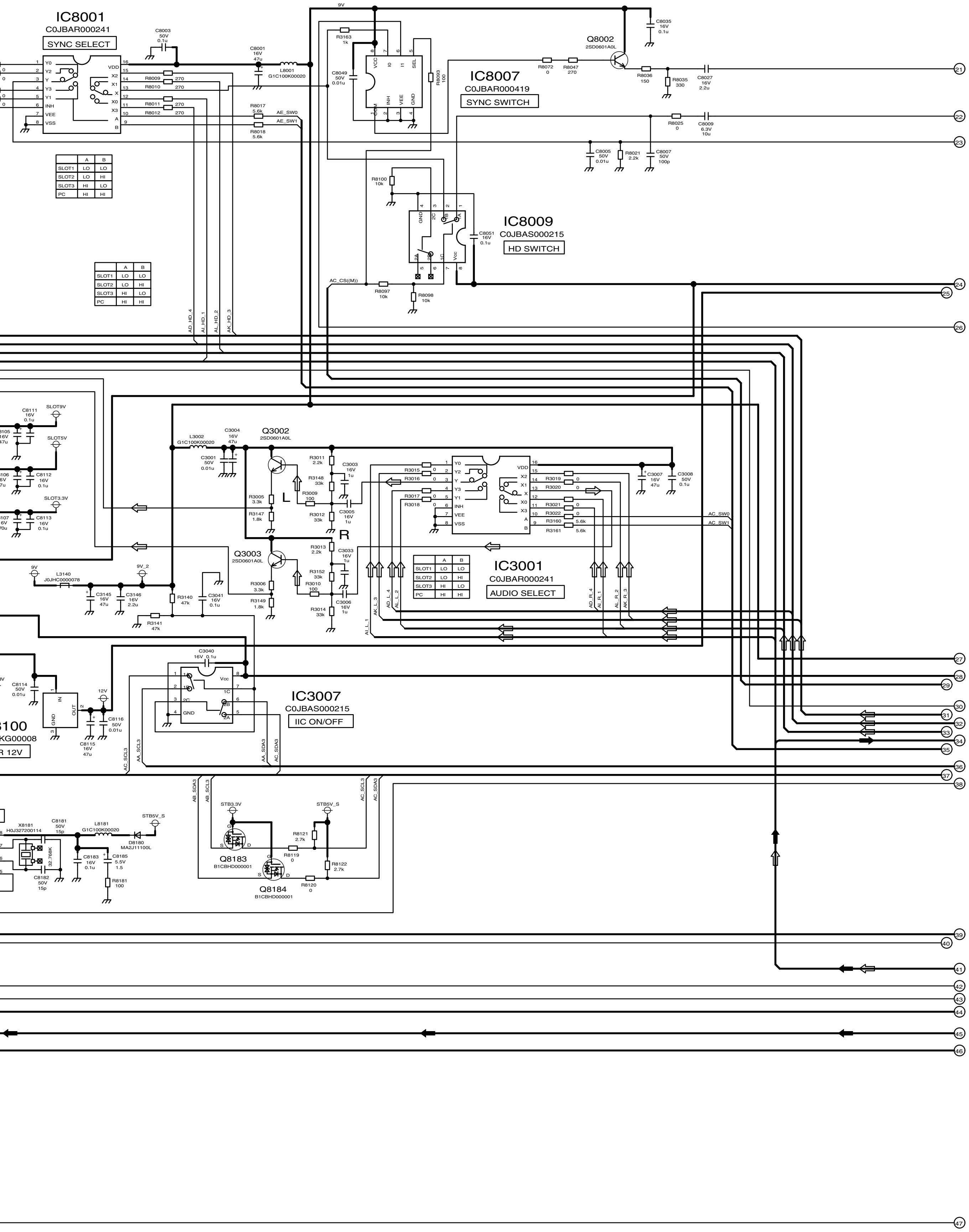
5 6 7 8 9

15.24. J-Board (2 of 4) Schematic Diagram (42 inch)


J-BOARD TNPA3630AB (2/4)
IC3008
C0JBAS000215
IIC ON/OFF
R3125 10k
R3134 100k
3.3V
STB3.3V
Vcc
GND
IC8001
C0JBAR000241
SYNC SELECT
R8001 0
R8002 0
R8003 0
R8004 0
Y0
Y2
Y
Y3
Y1
INH
VEE
VSS
SLOT1 LO LO
SLOT2 LO HI
SLOT3 HI LO
PC HI HI
AI_VD_1
AK_VD_3
AO_VD_4
AL_VD_2
TO P-BOARD (P10)
J10
F_STB_14V
F_STB_14V
F_STB14V
GND
GND
GND
FL3001 F1J1E1040022
FL3000 F1J1E1040022
LAN15V
C8100 16V 47u
C8101 50V 0.01u
Q8181 B1CBHD000001
Q8182 B1CBHD000001
STB3.3V
STB5V_S
R8185 2.7k
R8183 0
R8186 2.7k
R8184 0
TO D-BOARD (D3)
J3
STB5V
IIC_CONT
GND
SCL1
SDA1
SCL3
SDA3
STB3.3V ON/OFF
STB3.3V
GND
RESET
SOUND MUTE
CABLE DET
V MUTE IN
POWER STATUS
232C_STATUS
TXD_TU
GND
RXD_TU
GND
TXD_PC
GND
RXD_PC
ALL_OFF
REMOCON OUT
FAN CONT
RTC INT/PANEL_SOS
STB_ON
5V
GND
LED-G
LED-R
OPT
GND
REMOCON
KEY-SW
GND
R8207 0
R8187 56
R8188 56
R8189 0
R8190 0
R3061
D3061 MA2J72800L
R8129 0
R3150 100
AJ_STATUS
AJ_TXD1
AJ_RXD1
AJ_TXD4
AJ_RXD4
R3063 100
R3001 10k
R3002 1k
R3003 47k
Q3001 2SB0709A0L
D8181 MAZ80560ML
D8185 MAZ80560ML
D8184 MAZ80560ML
D8183 MAZ80330LL
L8101 J0JHC0000078
L8102 J0JHC0000078
L8103 J0JHC0000078
L8104 J0JHC0000078
L8105 J0JHC0000078
L8106 J0JHC0000078
J2
STB3.3V
LED_G
LED_R
OPT
GND
REMOCON
TO V-BOARD (V2)
TO V-BOARD (V15)
J15
KEY_SW
GND
L8107 J0JHC0000078
L8108 J0JHC0000078
J1
R/PR_S
GND
GND
R/PR_M
G/Y_S
GND
GND
G/Y_M
B/PB_S
GND
GND
B/PB_M
HD_S
GND
VD_S
HD_M
DPMS_HD
VD_M
GND
DPMS_VD
AG_PR_M
AG_Y_M
AG_PB_M
AF_HD_S
AF_VD_S
AG_HD_M
AF_DPMS_HD
AG_VD_M
AF_DPMS_VD
R8131 0
R8132 0
R8133 0
R8134 0
R8135 0
TO D-BOARD (D1)
FL3006 F1J1E1040022
FL3007 F1J1E1040022
FL3008 F1J1E1040022
FL3002 F1J1E1040022
FL3003 F1J1E1040022
FL3009 F1J1E1040022
FL3010 F1J1E1040022
9V
5V
3.3V
SLOT9V
SLOT5V
SLOT3.3V
P5V
STB5V_S
DR15V
C8111 16V 0.1u
C8105 16V 47u
C8106 16V 47u
C8112 16V 0.1u
C8107 16V 470u
C8113 16V 0.1u
C8102 16V 47u
C8108 16V 0.1u
C8103 16V 47u
C8109 16V 0.1u
C8120 25V 47u
C8121 25V 0.1u
C8114 50V 0.01u
C8122 16V 47u
C8123 16V 0.1u
C8115 16V 47u
L3140 J0JHC0000078
IC8100
C0CBAKG00008
AVR 12V
IN
OUT
GND
12V
AB_SDA3
AB_SCL3
IC8181
C1DB00001208
TIME CLOCK
SCL
SDA
X8181 H0J327200114
32.768K
C8181 50V 15p
C8182 50V 15p
C8183 16V 0.1u
R8182 100
R3062 100
POWER_STATUS
CABLE_DET

TH-42PWD8 SERIES
J-Board (2 of 4) Schematic Diagram

10 11 12 13 14


IC8001
C0JBAR000241
SYNC SELECT
IC8007
C0JBAR000419
SYNC SWITCH
IC8009
C0JBAS000215
HD SWITCH
Q8002
2SD0601A0L
Q3002
2SD0601A0L
Q3003
2SD0601A0L
IC3001
C0JBAR000241
AUDIO SELECT
IC3007
C0JBAS000215
IIC ON/OFF
Q8183
B1CBHD000001
Q8184
B1CBHD000001
L
R
9V
SLOT9V
SLOT5V
SLOT3.3V
12V
STB3.3V
STB5V_S
AE_SW0
AE_SW1
AC_SW0
AC_SW1
AC_CS((M))
AD_HD_4
AI_HD_1
AL_HD_2
AK_HD_3
AK_L_3
AD_L_4
AL_L_2
AI_L_1
AD_R_4
AI_R_1
AL_R_2
AK_R_3
AC_SCL3
AA_SCL3
AA_SDA3
AC_SDA3
AB_SDA3
AB_SCL3
SLOT1
SLOT2
SLOT3
PC
A
B
LO
HI
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
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37
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39
40
41
42
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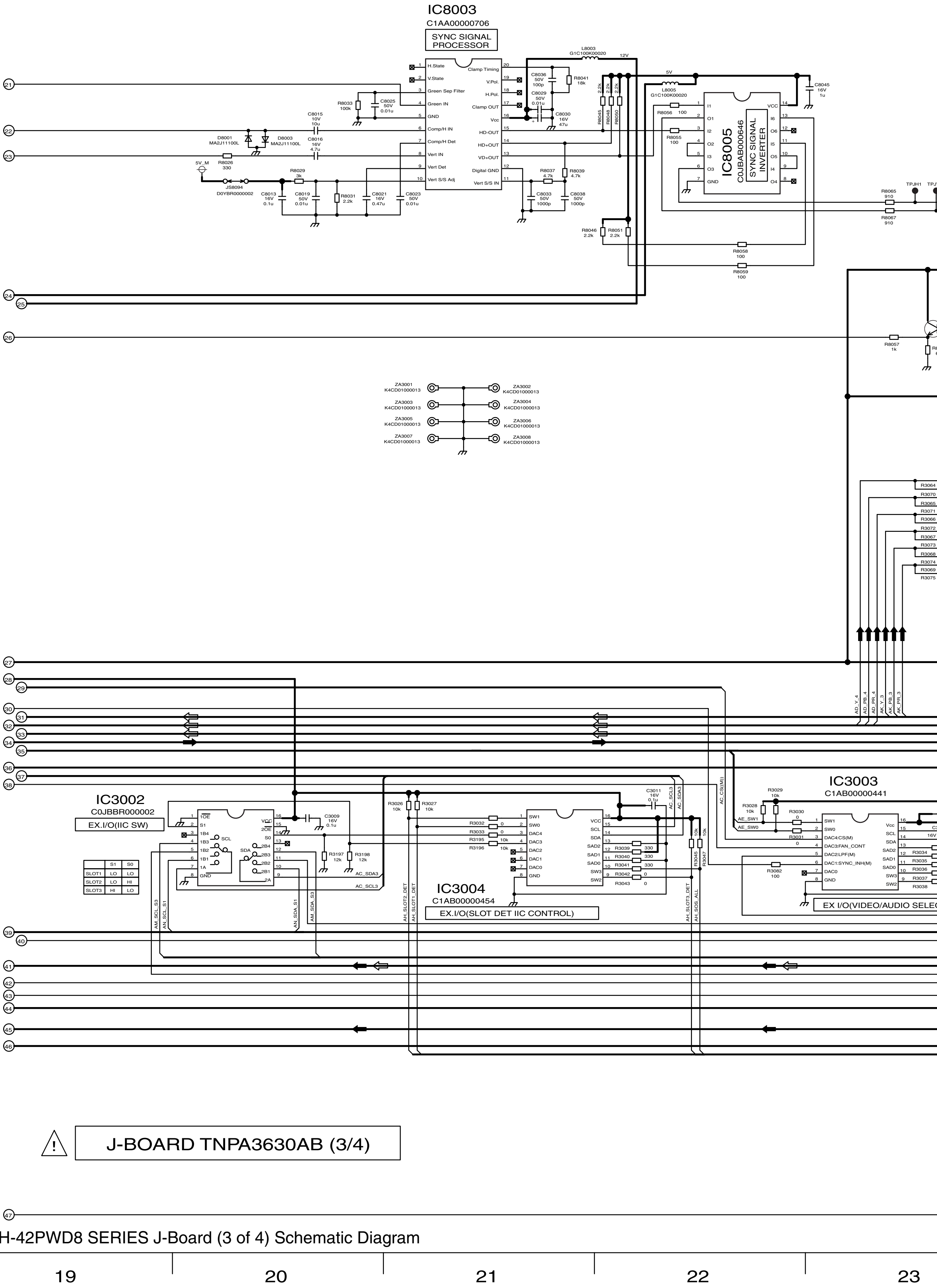
47

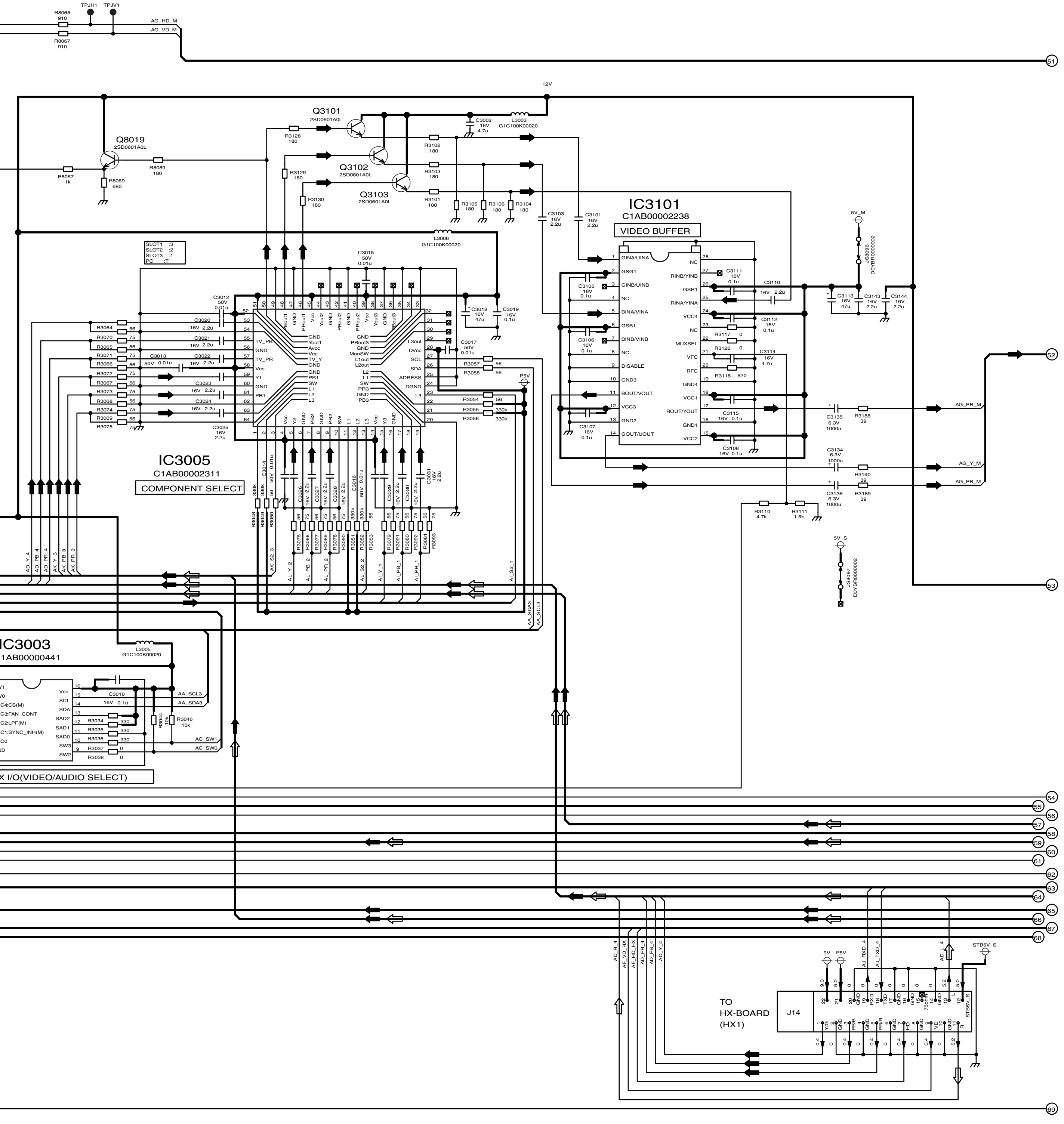
TH-42PWD8 SERIES J-Board (2 of 4) Schematic Diagram

14	15	16	17	18

15.25. J-Board (3 of 4) Schematic Diagram (42 inch)


IC8003
C1AA00000706
SYNC SIGNAL PROCESSOR
H.State
V.State
Green Sep Filter
Green IN
GND
Comp/H IN
Comp/H Det
Vert IN
Vert Det
Vert S/S Adj
Clamp Timing
V.Pol.
H.Pol.
Clamp OUT
Vcc
HD-OUT
HD+OUT
VD+OUT
Digital GND
Vert S/S IN
L8003
G1C100K00020
12V
5V
L8005
G1C100K00020
IC8005
C0JBAB000646
SYNC SIGNAL INVERTER
D8001
MA2J1110OL
D8003
MA2J1110OL
JS8094
D0YBR0000002
5V_M
TPJH1
ZA3001
K4CD01000013
ZA3002
K4CD01000013
ZA3003
K4CD01000013
ZA3004
K4CD01000013
ZA3005
K4CD01000013
ZA3006
K4CD01000013
ZA3007
K4CD01000013
ZA3008
K4CD01000013
IC3002
C0JBBR000002
EX.I/O(IIC SW)
S1
S0
SLOT1
LO
LO
SLOT2
LO
HI
SLOT3
HI
LO
IC3004
C1AB00000454
EX.I/O(SLOT DET IIC CONTROL)
IC3003
C1AB00000441
EX I/O(VIDEO/AUDIO SELEC
AD_Y_4
AD_PB_4
AD_PR_4
AK_Y_3
AK_PB_3
AK_PR_3
AC_SCL3
AC_SDA3
AC_CS(MI)
AE_SW1
AE_SW0
AM_SCL_S3
AN_SCL_S1
AN_SDA_S1
AM_SDA_S3
AH_SLOT2_DET
AH_SLOT1_DET
AH_SLOT3_DET
AH_SOS_ALL
J-BOARD TNPA3630AB (3/4)
19
20
21
22
23

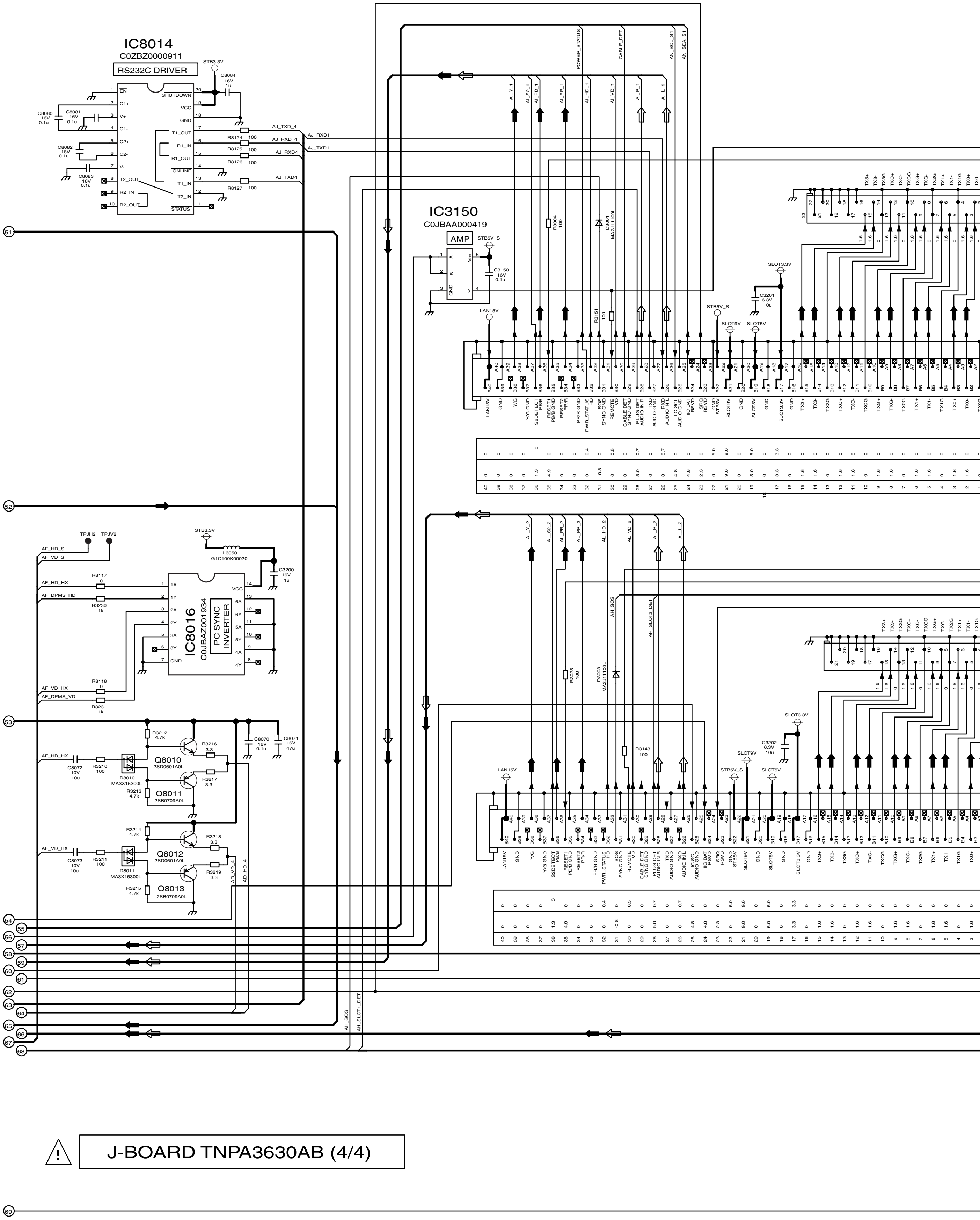
TH-42PWD8 SERIES J-Board (3 of 4) Schematic Diagram


IC3101
C1AB00002238
VIDEO BUFFER
IC3005
C1AB00002311
COMPONENT SELECT
IC3003
1AB00000441
X I/O(VIDEO/AUDIO SELECT)
Q3101
2SD0601A0L
Q3102
2SD0601A0L
Q3103
2SD0601A0L
Q8019
2SD0601A0L
12V
L3003
G1C100K00020
L3006
G1C100K00020
L3005
G1C100K00020
TPJH1
TPJV1
AG_HD_M
AG_VD_M
AG_PR_M
AG_Y_M
AG_PB_M
AA_SCL3
AA_SDA3
AC_SW1
AC_SW0
5V_M
5V_S
P5V
9V
STB5V_S
SLOT1 :3
SLOT2 :2
SLOT3 :1
PC :T
TO
HX-BOARD
(HX1)
J14
AF_VD_HX
AF_HD_HX
AD_PR_4
AD_PB_4
AD_Y_4
AJ_RXD_4
AJ_TXD_4
AD_L_4
AD_R_4
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69

TH-42PWD8 SERIES J-Board (3 of 4) Schematic Diagram

23	24	25	26	27

15.26. J-Board (4 of 4) Schematic Diagram (42 inch)


IC8014
C0ZBZ0000911
RS232C DRIVER
STB3.3V
C8084 16V 1u
C8080 16V 0.1u
C8081 16V 0.1u
C8082 16V 0.1u
C8083 16V 0.1u
EN
C1+
V+
C1-
C2+
C2-
V-
T2_OUT
R2_IN
R2_OUT
SHUTDOWN
VCC
GND
T1_OUT
R1_IN
R1_OUT
ONLINE
T1_IN
T2_IN
STATUS
R8124 100
R8125 100
R8126 100
R8127 100
AJ_TXD_4
AJ_RXD_4
AJ_RXD4
AJ_TXD4
AJ_RXD1
AJ_TXD1
IC3150
C0JBAA000419
AMP
STB5V_S
C3150 16V 0.1u
LAN15V
AI_Y_1
AI_S2_1
AI_PB_1
AI_PR_1
AI_HD_1
AI_VD_1
AI_R_1
AI_L_1
POWER_STATUS
CABLE_DET
AN_SCL_S1
AN_SDA_S1
R3004 100
D3001 MA3J1100L
R3151 100
SLOT3.3V
C3201 6.3V 10u
STB5V_S
SLOT9V
SLOT5V
TX3+
TX3-
TX3G
TXC+
TXC-
TXCG
TXG+
TXG-
TX2G
TX1+
TX1-
TX1G
TX0+
TX0-
TPJH2
TPJV2
STB3.3V
L3050 G1C100K00020
C3200 16V 1u
AF_HD_S
AF_VD_S
AF_HD_HX
AF_DPMS_HD
R8117 0
R3230 1k
IC8016
C0JBAZ001934
PC SYNC INVERTER
R8118 0
R3231 1k
AF_VD_HX
AF_DPMS_VD
R3212 4.7k
R3216 3.3
C8070 16V 0.1u
C8071 16V 47u
Q8010 2SD0601A0L
R3210 100
C8072 10V 10u
D8010 MA3X15300L
R3213 4.7k
Q8011 2SB0709A0L
R3217 3.3
R3214 4.7k
R3218 3.3
Q8012 2SD0601A0L
C8073 10V 10u
R3211 100
D8011 MA3X15300L
R3219 3.3
R3215 4.7k
Q8013 2SB0709A0L
AD_VD_4
AD_HD_4
AI_Y_2
AI_S2_2
AI_PB_2
AI_PR_2
AI_HD_2
AI_VD_2
AI_R_2
AI_L_2
AH_SOS
AH_SLOT2_DET
R3025 100
D3003 MA3J1100L
R3143 100
SLOT3.3V
C3202 6.3V 10u
SLOT9V
STB5V_S
SLOT5V
AH_SOS
AH_SLOT1_DET
51
52
53
54
55
56
57
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59
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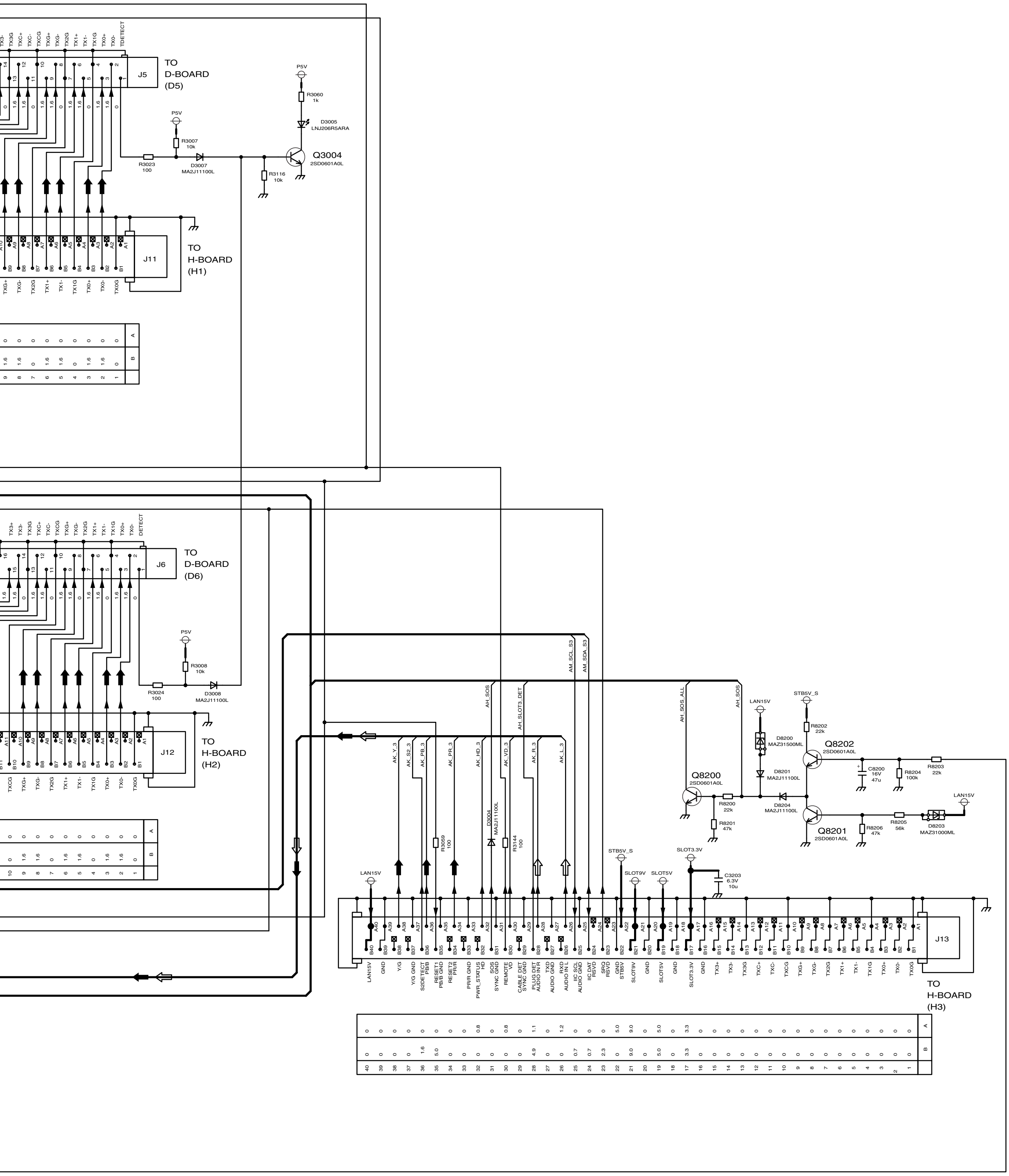
J-BOARD TNPA3630AB (4/4)

TH-42PWD8 SERIES J-Board (4 of 4) Schematic Diagram

28 29 30 31 32

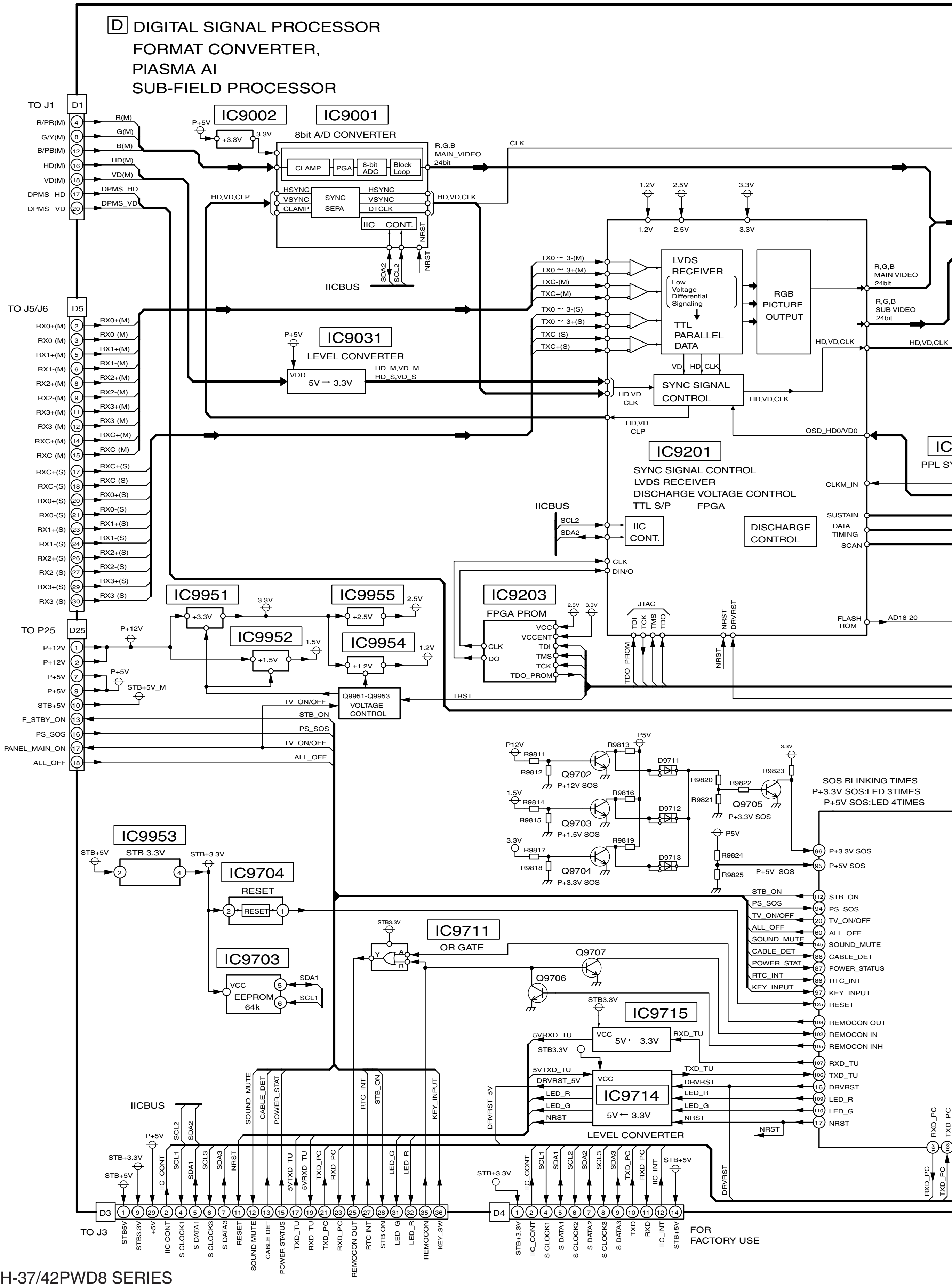

TO
D-BOARD
(D5)
J5
TDETECT
P5V
R3060
1k
D3005
LNJ206R5ARA
P5V
R3007
10k
R3023
100
D3007
MA2J11100L
Q3004
2SD0601A0L
R3116
10k
J11
TO
H-BOARD
(H1)
TO
D-BOARD
(D6)
J6
DETECT
P5V
R3008
10k
R3024
100
D3008
MA2J11100L
J12
TO
H-BOARD
(H2)
AM_SCL_S3
AM_SDA_S3
AH_SOS
AH_SLOT3_DET
AH_SOS_ALL
AH_SOS
AK_Y_3
AK_S2_3
AK_PB_3
AK_PR_3
AK_HD_3
AK_VD_3
AK_R_3
AK_L_3
D3004
MA2J11100L
R3059
100
R3144
100
LAN15V
STB5V_S
SLOT9V
SLOT5V
SLOT3.3V
C3203
6.3V
10u
LAN15V
D8200
MAZ31500ML
D8201
MA2J11100L
STB5V_S
R8202
22k
Q8202
2SD0601A0L
C8200
16V
47u
R8204
100k
R8203
22k
Q8200
2SD0601A0L
R8200
22k
R8201
47k
D8204
MA2J11100L
Q8201
2SD0601A0L
R8206
47k
R8205
56k
D8203
MAZ31000ML
LAN15V
J13
LAN15V
GND
Y/G
Y/G GND
S2DETECT PB/B
RESET1 PB/B GND
RESET2 PR/R
PR/R GND
PWR_STATUS HD
SOS SYNC GND
REMOTE VD
CABLE DET SYNC GND
PLUG DET AUDIO IN R
TXD AUDIO GND
RXD AUDIO IN L
IIC SCL AUDIO GND
IIC DAT RSVD
SRQ RSVD
GND STB5V
SLOT9V
GND
SLOT5V
GND
SLOT3.3V
GND
TX3+
TX3-
TX3G
TXC+
TXC-
TXCG
TXG+
TXG-
TX2G
TX1+
TX1-
TX1G
TX0+
TX0-
TX0G
TO
H-BOARD
(H3)

40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
0	0	0	0	0	0	0	0	0.8	0	0.8	0	1.1	0	1.2	0	0	0	5.0	9.0	0	5.0	0	3.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A
0	0	0	0	1.6	5.0	0	0	0	0	0	0	4.9	0	0	0.7	0.7	2.3	0	9.0	0	5.0	0	3.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	B

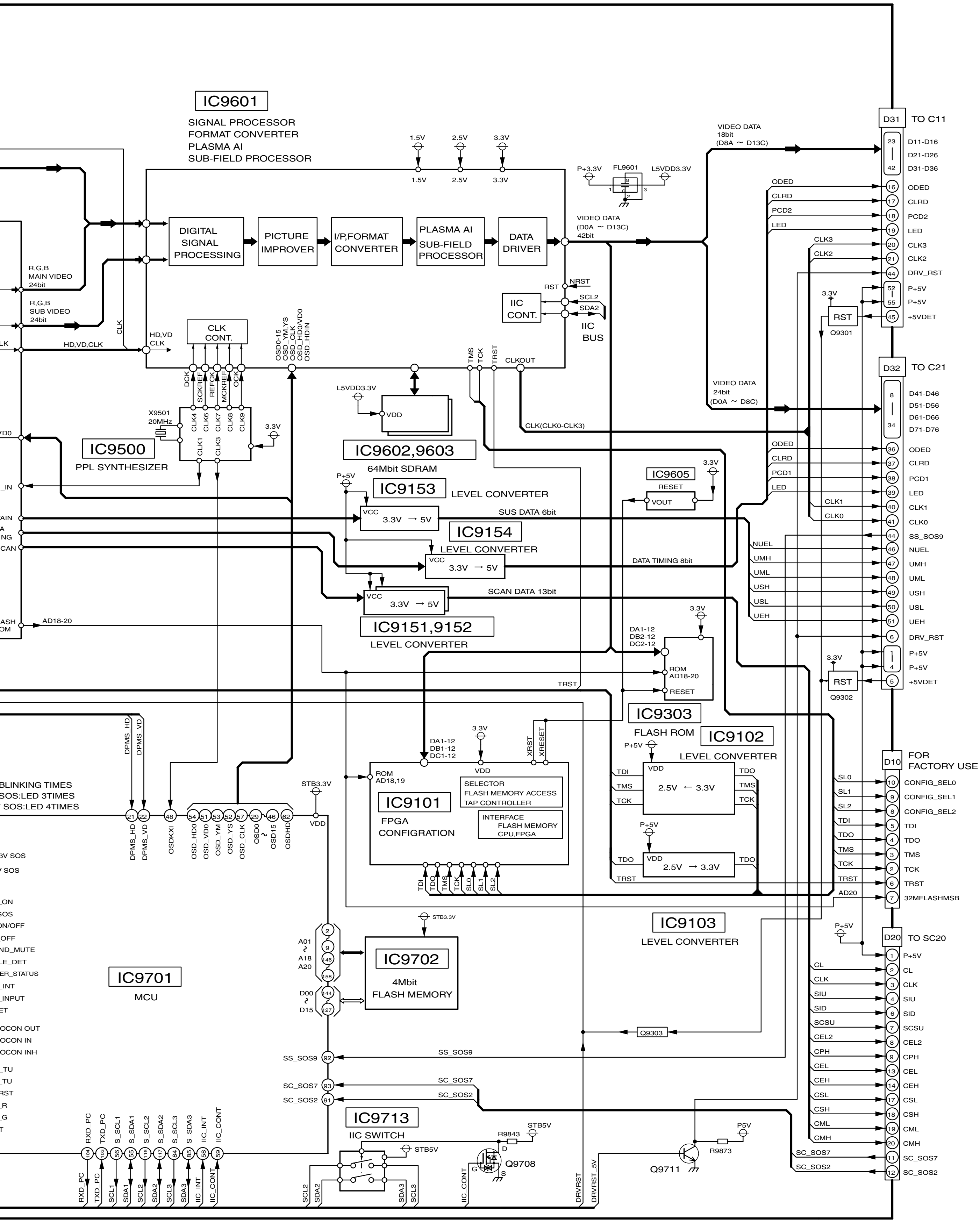
TH-42PWD8 SERIES J-Board (4 of 4) Schematic Diagram

32 33 34 35 36

15.27. D-Board Block Diagram

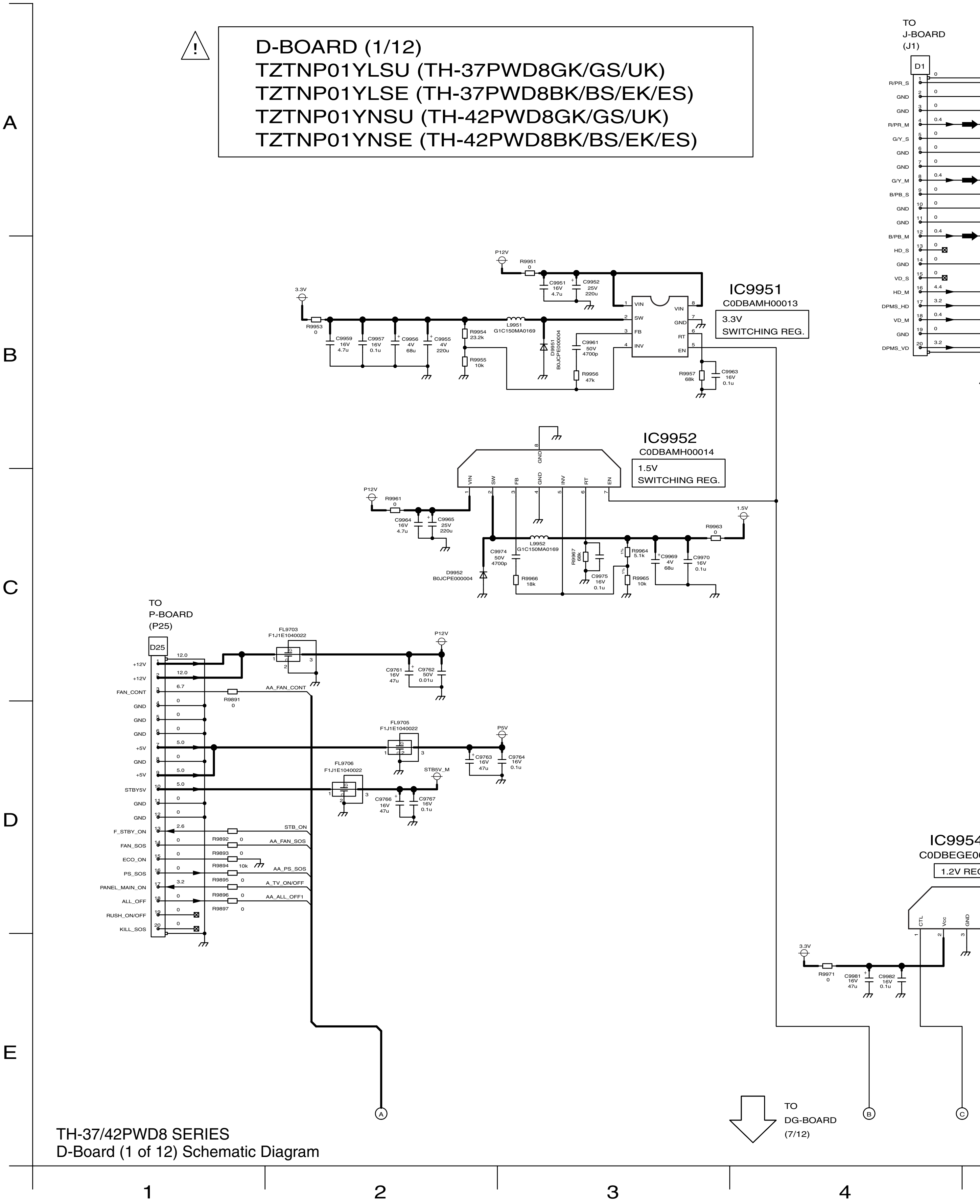

D
DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER,
PIASMA AI
SUB-FIELD PROCESSOR
TO J1
D1
R/PR(M)
G/Y(M)
B/PB(M)
HD(M)
VD(M)
DPMS HD
DPMS VD
R(M)
G(M)
B(M)
HD(M)
VD(M)
DPMS_HD
DPMS_VD
IC9002
IC9001
P+5V
+3.3V
3.3V
8bit A/D CONVERTER
CLAMP
PGA
8-bit ADC
Block Loop
R,G,B
MAIN_VIDEO
24bit
CLK
HSYNC
VSYNC
CLAMP
SYNC
SEPA
HSYNC
VSYNC
DTCLK
HD,VD,CLP
HD,VD,CLK
IIC CONT.
NRST
SDA2
SCL2
IICBUS
TO J5/J6
D5
RX0+(M)
RX0-(M)
RX1+(M)
RX1-(M)
RX2+(M)
RX2-(M)
RX3+(M)
RX3-(M)
RXC+(M)
RXC-(M)
RXC+(S)
RXC-(S)
RX0+(S)
RX0-(S)
RX1+(S)
RX1-(S)
RX2+(S)
RX2-(S)
RX3+(S)
RX3-(S)
IC9031
LEVEL CONVERTER
VDD
5V → 3.3V
HD_M,VD_M
HD_S,VD_S
1.2V
2.5V
3.3V
TX0 ~ 3-(M)
TX0 ~ 3+(M)
TXC-(M)
TXC+(M)
TX0 ~ 3-(S)
TX0 ~ 3+(S)
TXC-(S)
TXC+(S)
LVDS RECEIVER
Low Voltage Differential Signaling
TTL PARALLEL DATA
RGB PICTURE OUTPUT
R,G,B
MAIN VIDEO
24bit
R,G,B
SUB VIDEO
24bit
HD,VD,CLK
VD HD CLK
SYNC SIGNAL CONTROL
HD,VD
CLK
HD,VD
CLP
OSD_HD0/VD0
IC9201
SYNC SIGNAL CONTROL
LVDS RECEIVER
DISCHARGE VOLTAGE CONTROL
TTL S/P
FPGA
IC
PPL SY
CLKM_IN
IICBUS
SCL2
SDA2
IIC CONT.
DISCHARGE CONTROL
SUSTAIN
DATA TIMING
SCAN
CLK
DIN/O
IC9203
FPGA PROM
2.5V
3.3V
VCC
VCCENT
TDI
TMS
TCK
TDO_PROM
CLK
DO
JTAG
TDI
TCK
TMS
TDO
NRST
DRVRST
FLASH ROM
AD18-20
TDO_PROM
TRST
IC9951
+3.3V
3.3V
IC9955
+2.5V
2.5V
IC9952
+1.5V
1.5V
IC9954
+1.2V
1.2V
TO P25
D25
P+12V
P+12V
P+12V
P+5V
P+5V
P+5V
STB+5V
STB+5V_M
F_STBY_ON
PS_SOS
PANEL_MAIN_ON
ALL_OFF
Q9951-Q9953
VOLTAGE CONTROL
TV_ON/OFF
STB_ON
PS_SOS
TV_ON/OFF
ALL_OFF
P12V
R9811
R9812
Q9702
P+12V SOS
R9813
P5V
D9711
1.5V
R9814
R9815
Q9703
P+1.5V SOS
R9816
D9712
3.3V
R9817
R9818
Q9704
P+3.3V SOS
R9819
D9713
R9820
R9821
R9822
R9823
Q9705
P+3.3V SOS
P5V
R9824
R9825
P+5V SOS
SOS BLINKING TIMES
P+3.3V SOS:LED 3TIMES
P+5V SOS:LED 4TIMES
96 P+3.3V SOS
95 P+5V SOS
IC9953
STB+5V
STB 3.3V
STB+3.3V
IC9704
RESET
RESET
IC9703
VCC
EEPROM 64k
SDA1
SCL1
IC9711
OR GATE
STB3.3V
Y
A
B
Q9707
Q9706
STB_ON
PS_SOS
TV_ON/OFF
ALL_OFF
SOUND_MUTE
CABLE_DET
POWER_STAT
RTC_INT
KEY_INPUT
112 STB_ON
94 PS_SOS
20 TV_ON/OFF
60 ALL_OFF
145 SOUND_MUTE
88 CABLE_DET
87 POWER_STATUS
86 RTC_INT
97 KEY_INPUT
125 RESET
108 REMOCON OUT
102 REMOCON IN
105 REMOCON INH
107 RXD_TU
106 TXD_TU
16 DRVRST
109 LED_R
110 LED_G
17 NRST
IC9715
STB3.3V
5VRXD_TU
VCC
5V ← 3.3V
RXD_TU
5VTXD_TU
DRVRST_5V
LED_R
LED_G
NRST
IC9714
5V ← 3.3V
TXD_TU
DRVRST
LED_R
LED_G
NRST
LEVEL CONVERTER
NRST
DRVRST_5V
DRVRST
RXD_PC
TXD_PC
IICBUS
SCL2
SDA2
SOUND_MUTE
CABLE_DET
POWER_STAT
RTC_INT
STB_ON
KEY_INPUT
P+5V
STB+3.3V
STB+5V
IIC_CONT
SCL1
SDA1
SCL3
SDA3
NRST
5VTXD_TU
5VRXD_TU
TXD_PC
RXD_PC
LED_G
LED_R
D3
TO J3
STB5V
STB3.3V
+5V
IIC CONT
S CLOCK1
S DATA1
S CLOCK3
S DATA3
RESET
SOUND MUTE
CABLE DET
POWER STATUS
TXD_TU
RXD_TU
TXD_PC
RXD_PC
REMOCON OUT
RTC INT
STB ON
LED_G
LED_R
REMOCON
KEY_SW
STB+3.3V
IIC_CONT
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
TXD_PC
RXD_PC
IIC_INT
STB+5V
D4
STB+3.3V
IIC_CONT
S CLOCK1
S DATA1
S CLOCK2
S DATA2
S CLOCK3
S DATA3
TXD
RXD
IIC_INT
STB+5V
FOR FACTORY USE

TH-37/42PWD8 SERIES
D-Board Block Diagram


IC9601
SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
1.5V
2.5V
3.3V
DIGITAL SIGNAL PROCESSING
PICTURE IMPROVER
I/P,FORMAT CONVERTER
PLASMA AI SUB-FIELD PROCESSOR
DATA DRIVER
R,G,B MAIN VIDEO 24bit
R,G,B SUB VIDEO 24bit
HD,VD,CLK
CLK
HD,VD CLK
CLK CONT.
DCK
SCKREF
REFCK
MCKREF
OCK
CLK4
CLK6
CLK7
CLK8
CLK9
CLK1
CLK3
X9501 20MHz
3.3V
IC9500
PPL SYNTHESIZER
OSD0-15
OSD_YM,YS
OSD_CLK
OSD_HD0/VD0
OSD_HDIN
P+3.3V
FL9601
L5VDD3.3V
VIDEO DATA (D0A ~ D13C) 42bit
RST
NRST
SCL2
SDA2
IIC CONT.
IIC BUS
TMS
TCK
TRST
CLKOUT
L5VDD3.3V
VDD
IC9602,9603
64Mbit SDRAM
CLK(CLK0-CLK3)
P+5V
IC9153
LEVEL CONVERTER
VCC
3.3V → 5V
SUS DATA 6bit
IC9154
LEVEL CONVERTER
DATA TIMING 8bit
SCAN DATA 13bit
IC9151,9152
LEVEL CONVERTER
IC9605
RESET
VOUT
AD18-20
DA1-12 DB2-12 DC2-12
ROM AD18-20
RESET
TRST
IC9303
FLASH ROM
IC9102
LEVEL CONVERTER
DPMS_HD
DPMS_VD
DA1-12 DB1-12 DC1-12
XRST
XRESET
ROM AD18,19
IC9101
FPGA CONFIGRATION
SELECTOR
FLASH MEMORY ACCESS
TAP CONTROLLER
INTERFACE
FLASH MEMORY
CPU,FPGA
TDI
TDO
TMS
TCK
SL0
SL1
SL2
2.5V ← 3.3V
2.5V → 3.3V
TRST
IC9103
LEVEL CONVERTER
STB3.3V
BLINKING TIMES
SOS:LED 3TIMES
SOS:LED 4TIMES
OSDKXI
OSD_HD0
OSD_VD0
OSD_YM
OSD_YS
OSD_CLK
OSD0 ~ OSD15
OSDHD
A01 ~ A18 A20
D00 ~ D15
IC9702
4Mbit FLASH MEMORY
IC9701
MCU
SS_SOS9
SC_SOS7
SC_SOS2
Q9303
IC9713
IIC SWITCH
STB5V
R9843
Q9708
R9873
P5V
Q9711
RXD_PC
TXD_PC
S_SCL1
S_SDA1
S_SCL2
S_SDA2
S_SCL3
S_SDA3
IIC_INT
IIC_CONT
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
DRVRST
DRVRST_5V
D31
TO C11
VIDEO DATA 18bit (D8A ~ D13C)
D11-D16
D21-D26
D31-D36
ODED
CLRD
PCD2
LED
CLK3
CLK2
DRV_RST
P+5V
+5VDET
Q9301
D32
TO C21
VIDEO DATA 24bit (D0A ~ D8C)
D41-D46
D51-D56
D61-D66
D71-D76
PCD1
CLK1
CLK0
SS_SOS9
NUEL
UMH
UML
USH
USL
UEH
Q9302
D10
FOR FACTORY USE
CONFIG_SEL0
CONFIG_SEL1
CONFIG_SEL2
32MFLASHMSB
AD20
D20
TO SC20
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CEH
CSL
CSH
CML
CMH
SC_SOS7
SC_SOS2

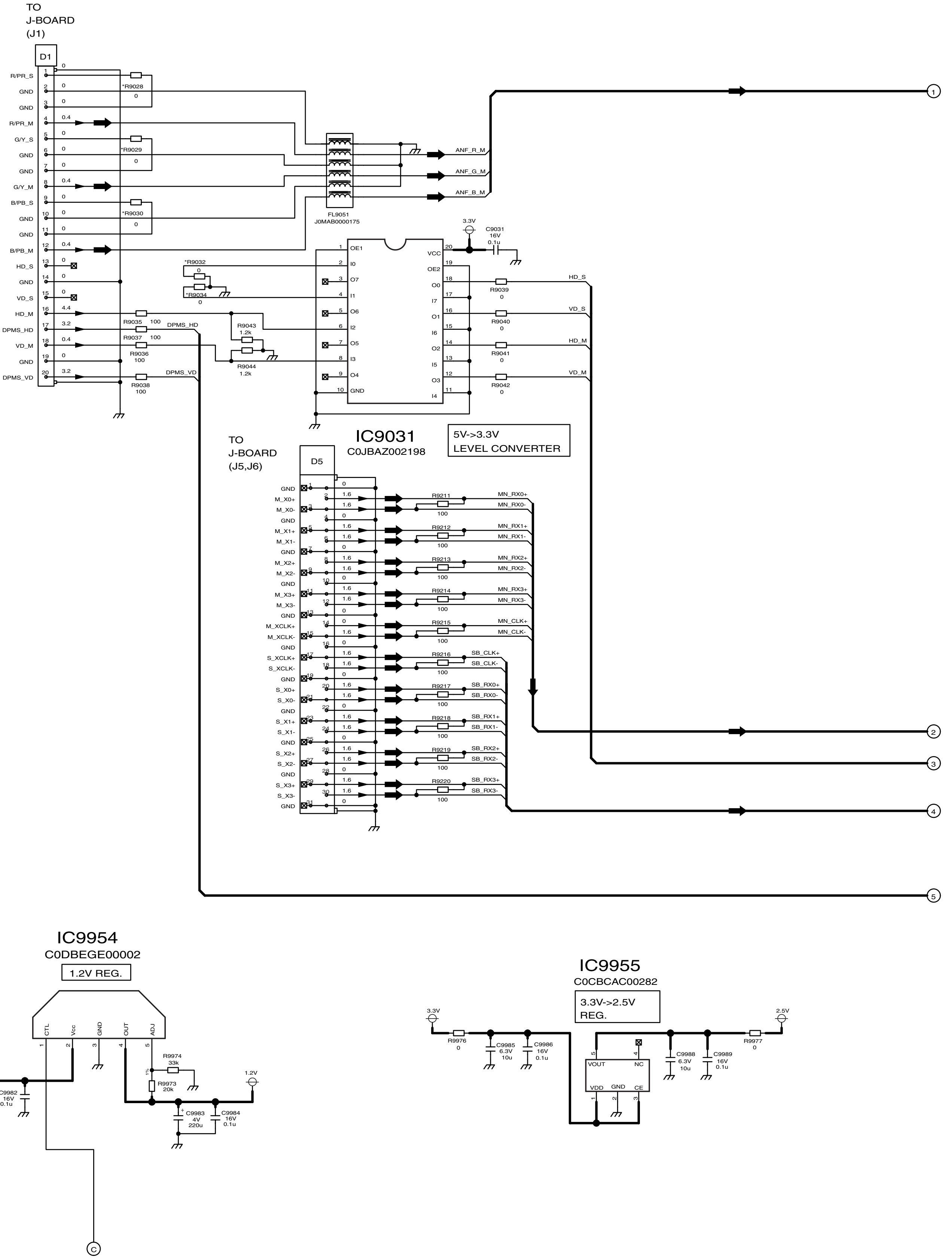
TH-37/42PWD8 SERIES
D-Board Block Diagram

15.28. D-Board (1 of 12) Schematic Diagram



D-BOARD (1/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

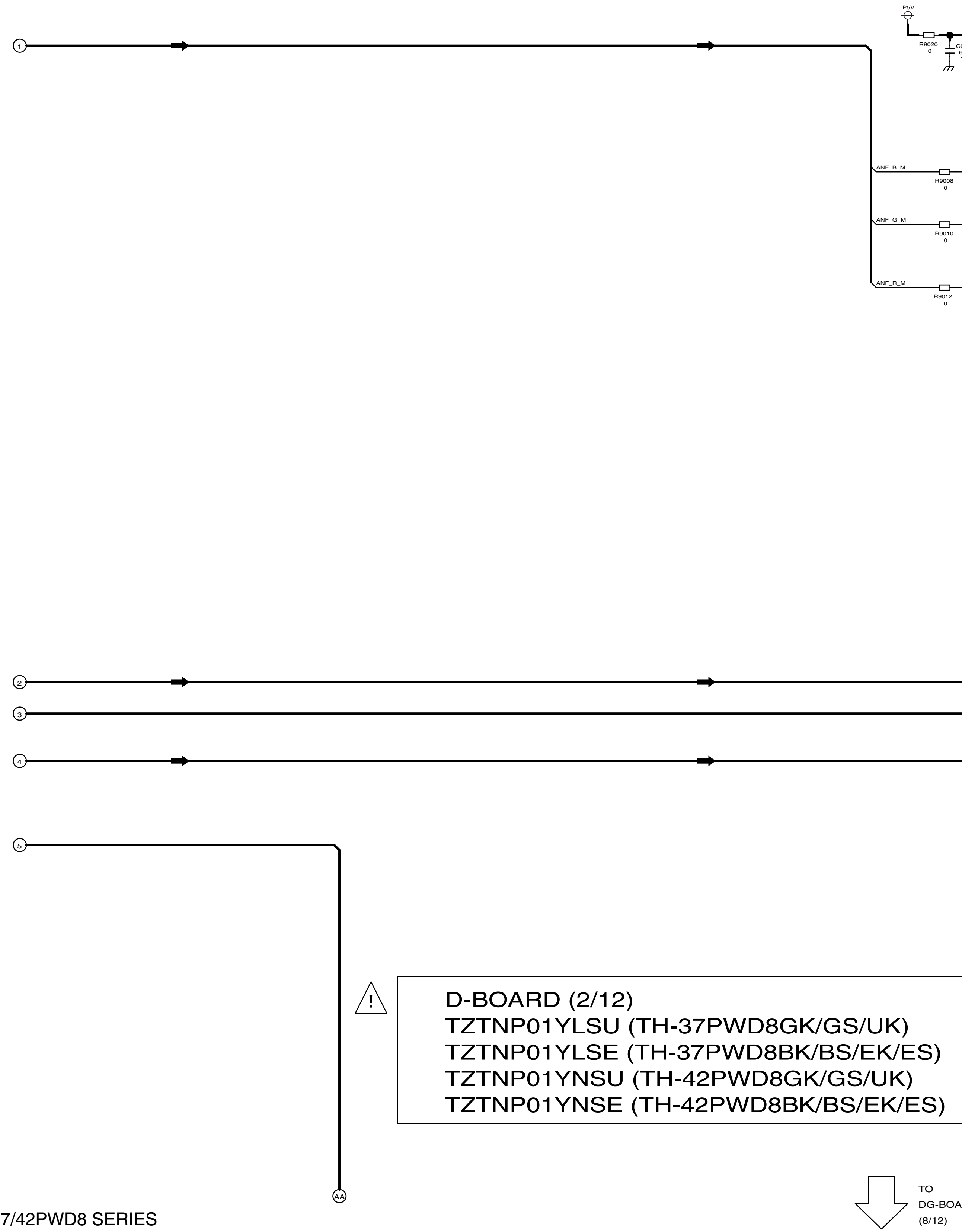
A
B
C
D
E
1
2
3
4
!
TO
J-BOARD
(J1)
D1
R/PR_S
GND
GND
R/PR_M
G/Y_S
GND
GND
G/Y_M
B/PB_S
GND
GND
B/PB_M
HD_S
GND
VD_S
HD_M
DPMS_HD
VD_M
GND
DPMS_VD
0.4
4.4
3.2
IC9951
C0DBAMH00013
3.3V
SWITCHING REG.
VIN
SW
FB
INV
GND
RT
EN
P12V
R9951
C9951 16V 4.7u
C9952 25V 220u
3.3V
R9953 0
C9959 16V 4.7u
C9957 16V 0.1u
C9956 4V 68u
C9955 4V 220u
R9954 23.2k
R9955 10k
L9951 G1C150MA0169
D9951 B0JCPE000004
C9961 50V 4700p
R9956 47k
R9957 68k
C9963 16V 0.1u
IC9952
C0DBAMH00014
1.5V
SWITCHING REG.
R9961 0
C9964 16V 4.7u
C9965 25V 220u
C9974 50V 4700p
L9952 G1C150MA0169
D9952 B0JCPE000004
R9966 18k
R9967 68k
C9975 16V 0.1u
R9964 5.1k
R9965 10k
C9969 4V 68u
C9970 16V 0.1u
R9963 0
TO
P-BOARD
(P25)
D25
+12V
+12V
FAN_CONT
GND
GND
GND
+5V
GND
+5V
STBY5V
GND
GND
F_STBY_ON
FAN_SOS
ECO_ON
PS_SOS
PANEL_MAIN_ON
ALL_OFF
RUSH_ON/OFF
KILL_SOS
12.0
6.7
5.0
2.6
FL9703 F1J1E1040022
P12V
C9761 16V 47u
C9762 50V 0.01u
R9891 0
AA_FAN_CONT
FL9705 F1J1E1040022
P5V
C9763 16V 47u
C9764 16V 0.1u
FL9706 F1J1E1040022
STB5V_M
C9766 16V 47u
C9767 16V 0.1u
R9892
R9893
R9894 10k
R9895
R9896
R9897
STB_ON
AA_FAN_SOS
AA_PS_SOS
A_TV_ON/OFF
AA_ALL_OFF1
IC9954
C0DBEGE0
1.2V REG
CTL
Vcc
GND
R9971 0
C9981 16V 47u
C9982 16V 0.1u
TO
DG-BOARD
(7/12)


TO
J-BOARD
(J1)
D1
R/PR_S
GND
GND
R/PR_M
G/Y_S
GND
GND
G/Y_M
B/PB_S
GND
GND
B/PB_M
HD_S
GND
VD_S
HD_M
DPMS_HD
VD_M
GND
DPMS_VD
*R9028
*R9029
*R9030
*R9032
*R9034
R9035
R9036
R9037
R9038
R9043
R9044
1.2k
DPMS_HD
DPMS_VD
FL9051
J0MAB0000175
ANF_R_M
ANF_G_M
ANF_B_M
3.3V
C9031
16V
0.1u
OE1
I0
O7
I1
O6
I2
O5
I3
O4
GND
VCC
OE2
O0
I7
O1
I6
O2
I5
O3
I4
R9039
R9040
R9041
R9042
HD_S
VD_S
HD_M
VD_M
IC9031
C0JBAZ002198
5V->3.3V
LEVEL CONVERTER
TO
J-BOARD
(J5,J6)
D5
M_X0+
M_X0-
M_X1+
M_X1-
M_X2+
M_X2-
M_X3+
M_X3-
M_XCLK+
M_XCLK-
S_XCLK+
S_XCLK-
S_X0+
S_X0-
S_X1+
S_X1-
S_X2+
S_X2-
S_X3+
S_X3-
R9211
R9212
R9213
R9214
R9215
R9216
R9217
R9218
R9219
R9220
MN_RX0+
MN_RX0-
MN_RX1+
MN_RX1-
MN_RX2+
MN_RX2-
MN_RX3+
MN_RX3-
MN_CLK+
MN_CLK-
SB_CLK+
SB_CLK-
SB_RX0+
SB_RX0-
SB_RX1+
SB_RX1-
SB_RX2+
SB_RX2-
SB_RX3+
SB_RX3-
①
②
③
④
⑤
IC9954
C0DBEGE00002
1.2V REG.
CTL
Vcc
GND
OUT
ADJ
R9974
33k
R9973
20k
C9982
16V
0.1u
C9983
4V
220u
C9984
16V
0.1u
1.2V
Ⓒ
IC9955
C0CBCAC00282
3.3V->2.5V
REG.
3.3V
R9976
C9985
6.3V
10u
C9986
16V
0.1u
VOUT
NC
VDD
GND
CE
C9988
6.3V
10u
C9989
16V
0.1u
R9977
2.5V

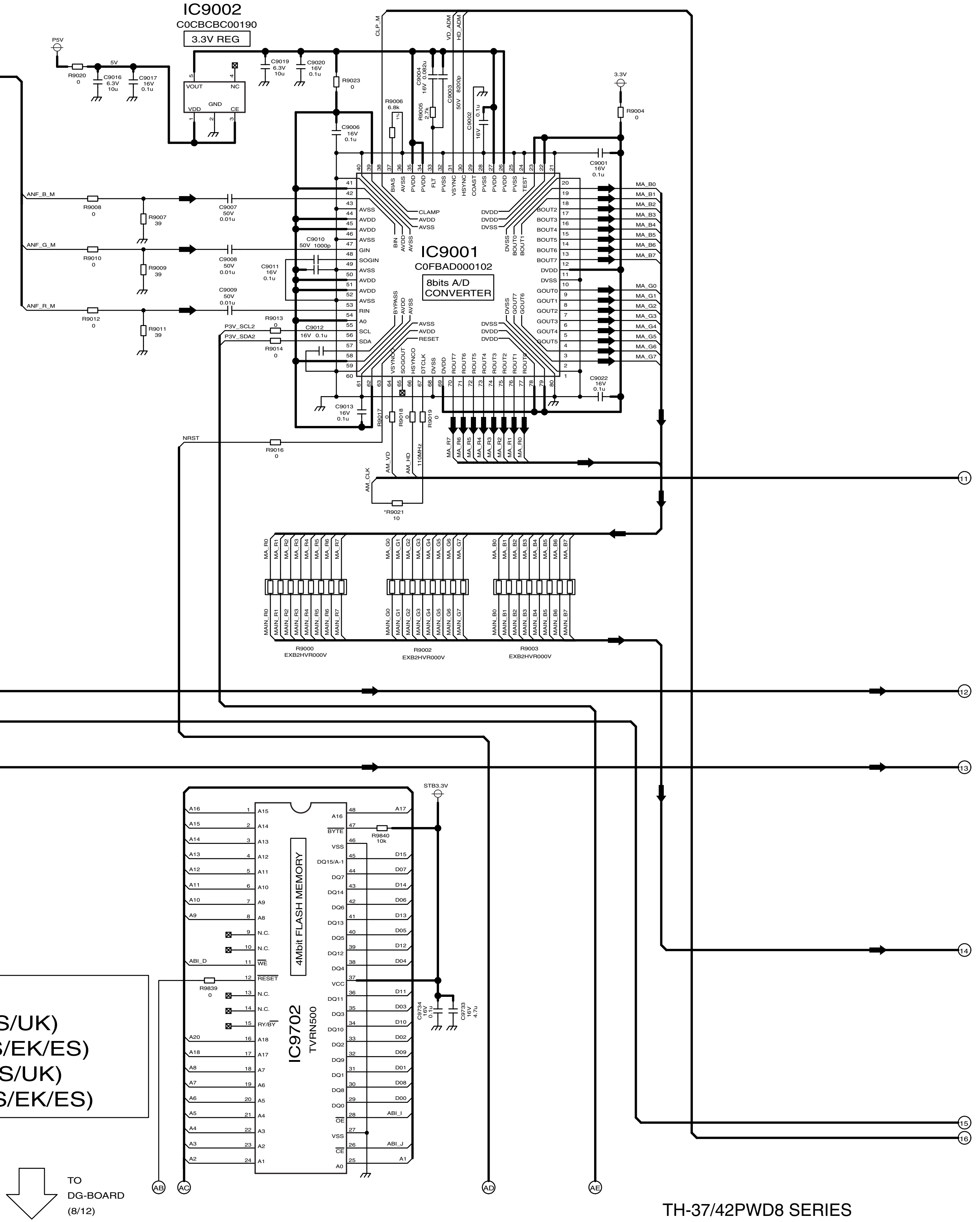
TH-37/42PWD8 SERIES
D-Board (1 of 12) Schematic Diagram

5 6 7 8

15.29. D-Board (2 of 12) Schematic Diagram


P5V
R9020
0
1
ANF_B_M
R9008
0
ANF_G_M
R9010
0
ANF_R_M
R9012
0
2
3
4
5
AA
TO
DG-BOA
(8/12)

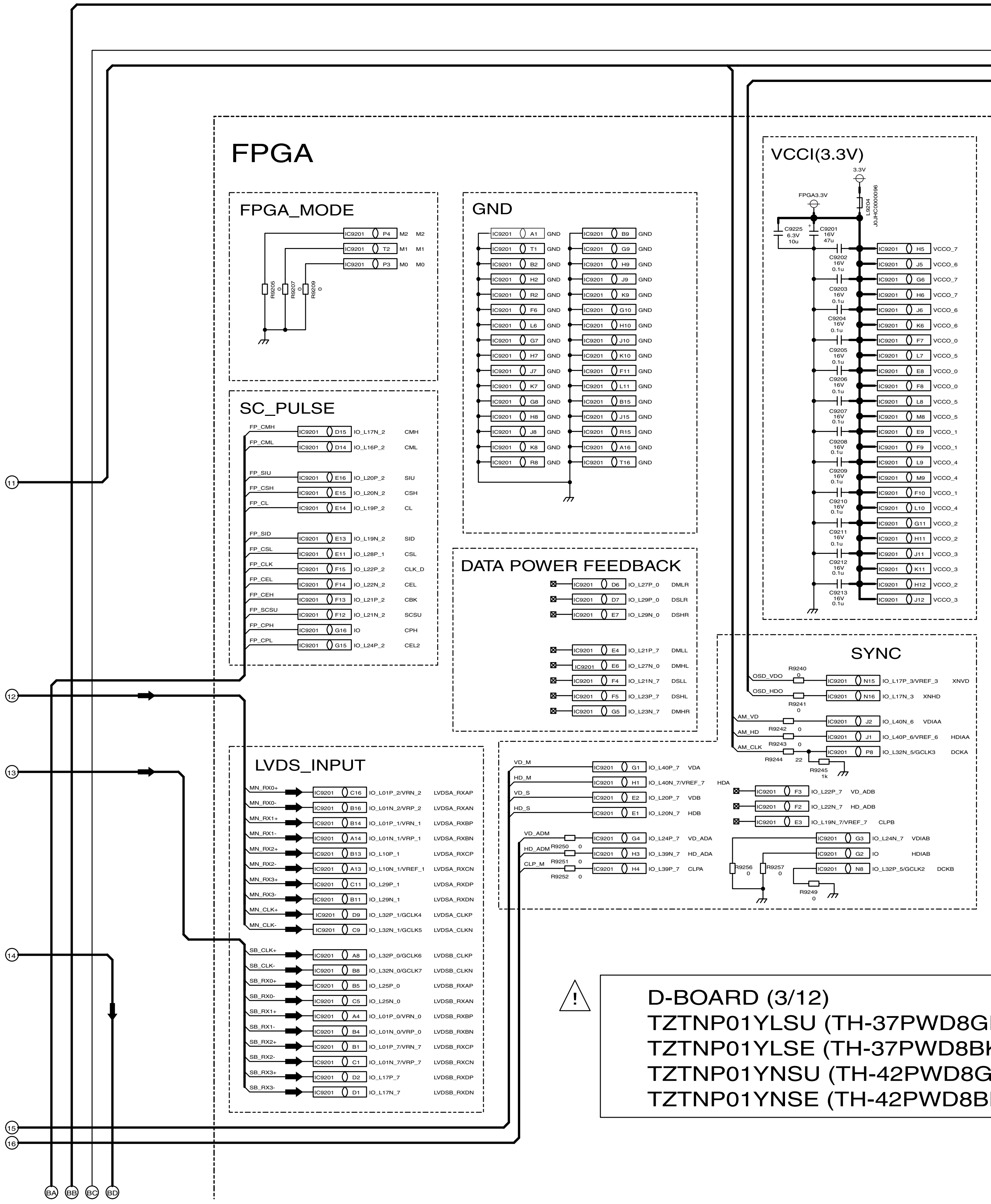
D-BOARD (2/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


IC9002
C0CBCBC00190
3.3V REG
P5V
5V
R9020 0
C9016 6.3V 10u
C9017 16V 0.1u
VOUT
NC
GND
VDD
CE
C9019 6.3V 10u
C9020 16V 0.1u
R9023 0
C9006 16V 0.1u
R9006 6.8k
R9005 2.7k
C9004 16V 0.082u
C9003 50V 8200p
C9002 16V 0.1u
CLP_M
VD_ADM
HD_ADM
3.3V
R9004 0
C9001 16V 0.1u
IC9001
C0FBAD000102
8bits A/D CONVERTER
ANF_B_M
ANF_G_M
ANF_R_M
R9008 0
R9007 39
R9010 0
R9009 39
R9012 0
R9011 39
C9007 50V 0.01u
C9008 50V 0.01u
C9009 50V 0.01u
C9010 50V 1000p
C9011 16V 0.1u
C9012 16V 0.1u
C9013 16V 0.1u
C9022 16V 0.1u
R9013 0
R9014 0
P3V_SCL2
P3V_SDA2
NRST
R9016 0
R9017 0
R9018 0
R9019 0
AM_VD
AM_HD
AM_CLK
110MHz
*R9021 10
MA_B0 MA_B1 MA_B2 MA_B3 MA_B4 MA_B5 MA_B6 MA_B7
MA_G0 MA_G1 MA_G2 MA_G3 MA_G4 MA_G5 MA_G6 MA_G7
MA_R7 MA_R6 MA_R5 MA_R4 MA_R3 MA_R2 MA_R1 MA_R0
MAIN_R0 MAIN_R1 MAIN_R2 MAIN_R3 MAIN_R4 MAIN_R5 MAIN_R6 MAIN_R7
MAIN_G0 MAIN_G1 MAIN_G2 MAIN_G3 MAIN_G4 MAIN_G5 MAIN_G6 MAIN_G7
MAIN_B0 MAIN_B1 MAIN_B2 MAIN_B3 MAIN_B4 MAIN_B5 MAIN_B6 MAIN_B7
R9000 EXB2HVR000V
R9002 EXB2HVR000V
R9003 EXB2HVR000V
⑪
⑫
⑬
⑭
⑮
⑯
STB3.3V
R9840 10k
R9839 0
C9734 16V 0.1u
C9733 16V 4.7u
4Mbit FLASH MEMORY
IC9702
TVRN500
ABI_D
ABI_I
ABI_J
S/UK)
S/EK/ES)
S/UK)
S/EK/ES)
TO
DG-BOARD
(8/12)
AB
AC
AD
AE

TH-37/42PWD8 SERIES
D-Board (2 of 12) Schematic Diagram

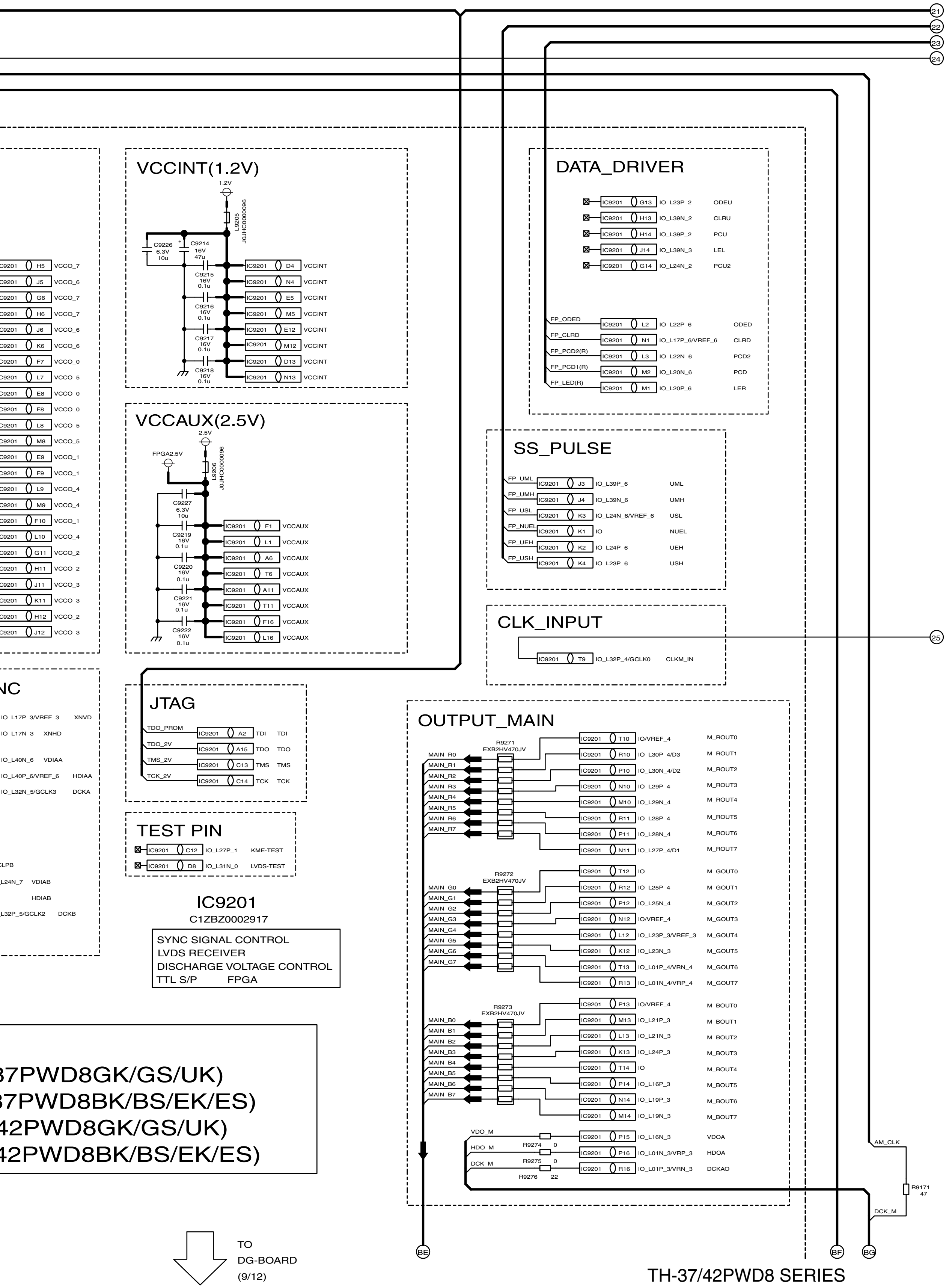
12	13	14	15

15.30. D-Board (3 of 12) Schematic Diagram


FPGA
FPGA_MODE
IC9201 P4 M2 M2
IC9201 T2 M1 M1
IC9201 P3 M0 M0
R9205 0
R9207 0
R9209 0
GND
IC9201 A1 GND
IC9201 T1 GND
IC9201 B2 GND
IC9201 H2 GND
IC9201 R2 GND
IC9201 F6 GND
IC9201 L6 GND
IC9201 G7 GND
IC9201 H7 GND
IC9201 J7 GND
IC9201 K7 GND
IC9201 G8 GND
IC9201 H8 GND
IC9201 J8 GND
IC9201 K8 GND
IC9201 R8 GND
IC9201 B9 GND
IC9201 G9 GND
IC9201 H9 GND
IC9201 J9 GND
IC9201 K9 GND
IC9201 G10 GND
IC9201 H10 GND
IC9201 J10 GND
IC9201 K10 GND
IC9201 F11 GND
IC9201 L11 GND
IC9201 B15 GND
IC9201 J15 GND
IC9201 R15 GND
IC9201 A16 GND
IC9201 T16 GND
SC_PULSE
FP_CMH IC9201 D15 IO_L17N_2 CMH
FP_CML IC9201 D14 IO_L16P_2 CML
FP_SIU IC9201 E16 IO_L20P_2 SIU
FP_CSH IC9201 E15 IO_L20N_2 CSH
FP_CL IC9201 E14 IO_L19P_2 CL
FP_SID IC9201 E13 IO_L19N_2 SID
FP_CSL IC9201 E11 IO_L28P_1 CSL
FP_CLK IC9201 F15 IO_L22P_2 CLK_D
FP_CEL IC9201 F14 IO_L22N_2 CEL
FP_CEH IC9201 F13 IO_L21P_2 CBK
FP_SCSU IC9201 F12 IO_L21N_2 SCSU
FP_CPH IC9201 G16 IO CPH
FP_CPL IC9201 G15 IO_L24P_2 CEL2
DATA POWER FEEDBACK
IC9201 D6 IO_L27P_0 DMLR
IC9201 D7 IO_L29P_0 DSLR
IC9201 E7 IO_L29N_0 DSHR
IC9201 E4 IO_L21P_7 DMLL
IC9201 E6 IO_L27N_0 DMHL
IC9201 F4 IO_L21N_7 DSLL
IC9201 F5 IO_L23P_7 DSHL
IC9201 G5 IO_L23N_7 DMHR
VCCI(3.3V)
3.3V
L9204 J0JHC0000096
FPGA3.3V
C9225 6.3V 10u
C9201 16V 47u
C9202 16V 0.1u
C9203 16V 0.1u
C9204 16V 0.1u
C9205 16V 0.1u
C9206 16V 0.1u
C9207 16V 0.1u
C9208 16V 0.1u
C9209 16V 0.1u
C9210 16V 0.1u
C9211 16V 0.1u
C9212 16V 0.1u
C9213 16V 0.1u
IC9201 H5 VCCO_7
IC9201 J5 VCCO_6
IC9201 G6 VCCO_7
IC9201 H6 VCCO_7
IC9201 J6 VCCO_6
IC9201 K6 VCCO_6
IC9201 F7 VCCO_0
IC9201 L7 VCCO_5
IC9201 E8 VCCO_0
IC9201 F8 VCCO_0
IC9201 L8 VCCO_5
IC9201 M8 VCCO_5
IC9201 E9 VCCO_1
IC9201 F9 VCCO_1
IC9201 L9 VCCO_4
IC9201 M9 VCCO_4
IC9201 F10 VCCO_1
IC9201 L10 VCCO_4
IC9201 G11 VCCO_2
IC9201 H11 VCCO_2
IC9201 J11 VCCO_3
IC9201 K11 VCCO_3
IC9201 H12 VCCO_2
IC9201 J12 VCCO_3
SYNC
OSD_VDO R9240 0 IC9201 N15 IO_L17P_3/VREF_3 XNVD
OSD_HDO R9241 0 IC9201 N16 IO_L17N_3 XNHD
AM_VD IC9201 J2 IO_L40N_6 VDIAA
AM_HD R9242 0 IC9201 J1 IO_L40P_6/VREF_6 HDIAA
AM_CLK R9243 0 IC9201 P8 IO_L32N_5/GCLK3 DCKA
R9244 22
R9245 1k
VD_M IC9201 G1 IO_L40P_7 VDA
HD_M IC9201 H1 IO_L40N_7/VREF_7 HDA
VD_S IC9201 E2 IO_L20P_7 VDB
HD_S IC9201 E1 IO_L20N_7 HDB
IC9201 F3 IO_L22P_7 VD_ADB
IC9201 F2 IO_L22N_7 HD_ADB
IC9201 E3 IO_L19N_7/VREF_7 CLPB
VD_ADM IC9201 G4 IO_L24P_7 VD_ADA
HD_ADM R9250 0 IC9201 H3 IO_L39N_7 HD_ADA
CLP_M R9251 0 IC9201 H4 IO_L39P_7 CLPA
R9252 0
IC9201 G3 IO_L24N_7 VDIAB
IC9201 G2 IO HDIAB
IC9201 N8 IO_L32P_5/GCLK2 DCKB
R9256 0
R9257 0
R9249 0
LVDS_INPUT
MN_RX0+ IC9201 C16 IO_L01P_2/VRN_2 LVDSA_RXAP
MN_RX0- IC9201 B16 IO_L01N_2/VRP_2 LVDSA_RXAN
MN_RX1+ IC9201 B14 IO_L01P_1/VRN_1 LVDSA_RXBP
MN_RX1- IC9201 A14 IO_L01N_1/VRP_1 LVDSA_RXBN
MN_RX2+ IC9201 B13 IO_L10P_1 LVDSA_RXCP
MN_RX2- IC9201 A13 IO_L10N_1/VREF_1 LVDSA_RXCN
MN_RX3+ IC9201 C11 IO_L29P_1 LVDSA_RXDP
MN_RX3- IC9201 B11 IO_L29N_1 LVDSA_RXDN
MN_CLK+ IC9201 D9 IO_L32P_1/GCLK4 LVDSA_CLKP
MN_CLK- IC9201 C9 IO_L32N_1/GCLK5 LVDSA_CLKN
SB_CLK+ IC9201 A8 IO_L32P_0/GCLK6 LVDSB_CLKP
SB_CLK- IC9201 B8 IO_L32N_0/GCLK7 LVDSB_CLKN
SB_RX0+ IC9201 B5 IO_L25P_0 LVDSB_RXAP
SB_RX0- IC9201 C5 IO_L25N_0 LVDSB_RXAN
SB_RX1+ IC9201 A4 IO_L01P_0/VRN_0 LVDSB_RXBP
SB_RX1- IC9201 B4 IO_L01N_0/VRP_0 LVDSB_RXBN
SB_RX2+ IC9201 B1 IO_L01P_7/VRN_7 LVDSB_RXCP
SB_RX2- IC9201 C1 IO_L01N_7/VRP_7 LVDSB_RXCN
SB_RX3+ IC9201 D2 IO_L17P_7 LVDSB_RXDP
SB_RX3- IC9201 D1 IO_L17N_7 LVDSB_RXDN
11
12
13
14
15
16
BA
BB
BC
BD
!
D-BOARD (3/12)
TZTNP01YLSU (TH-37PWD8G
TZTNP01YLSE (TH-37PWD8B
TZTNP01YNSU (TH-42PWD8G
TZTNP01YNSE (TH-42PWD8B

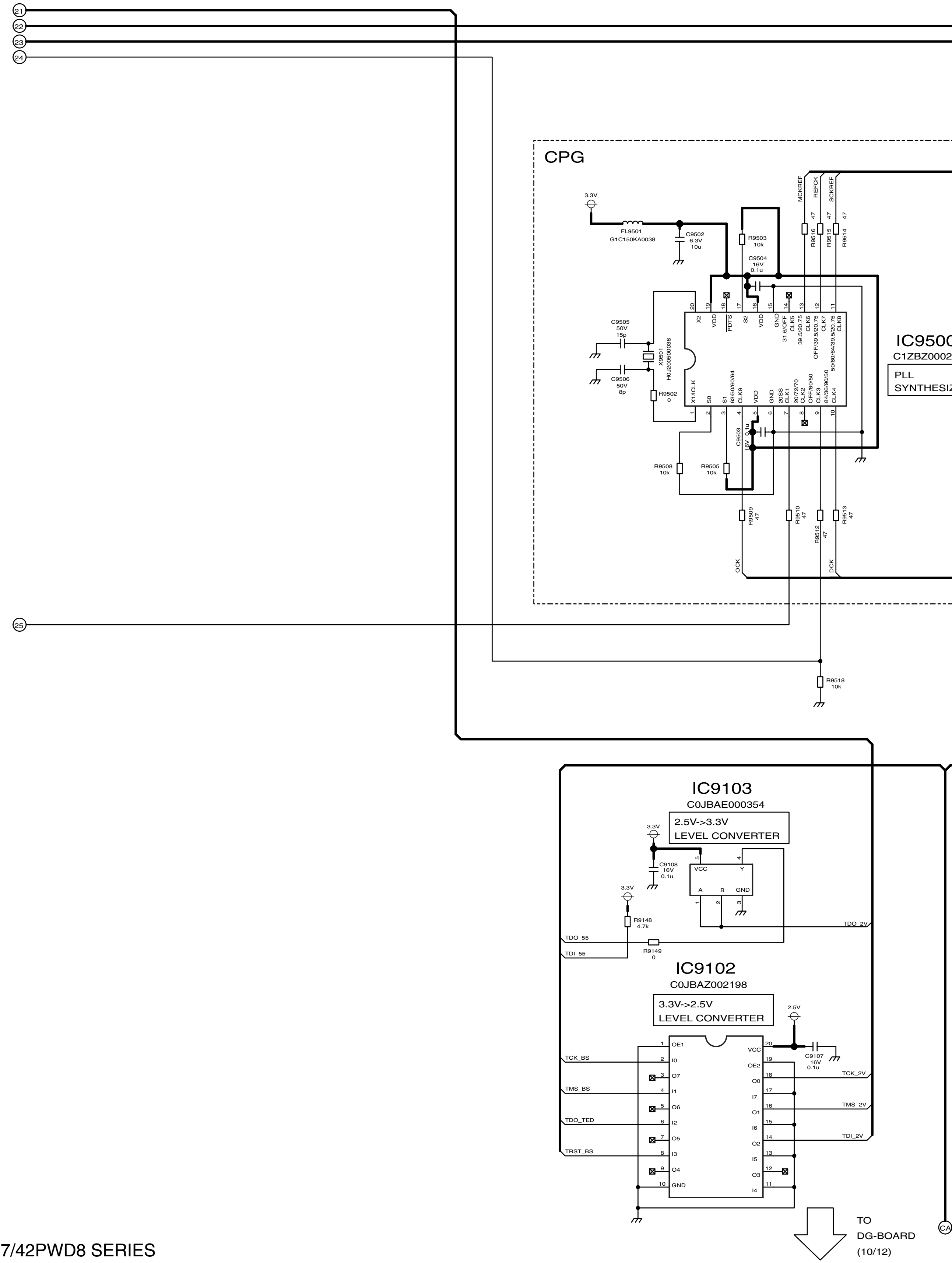
TH-37/42PWD8 SERIES
D-Board (3 of 12) Schematic Diagram

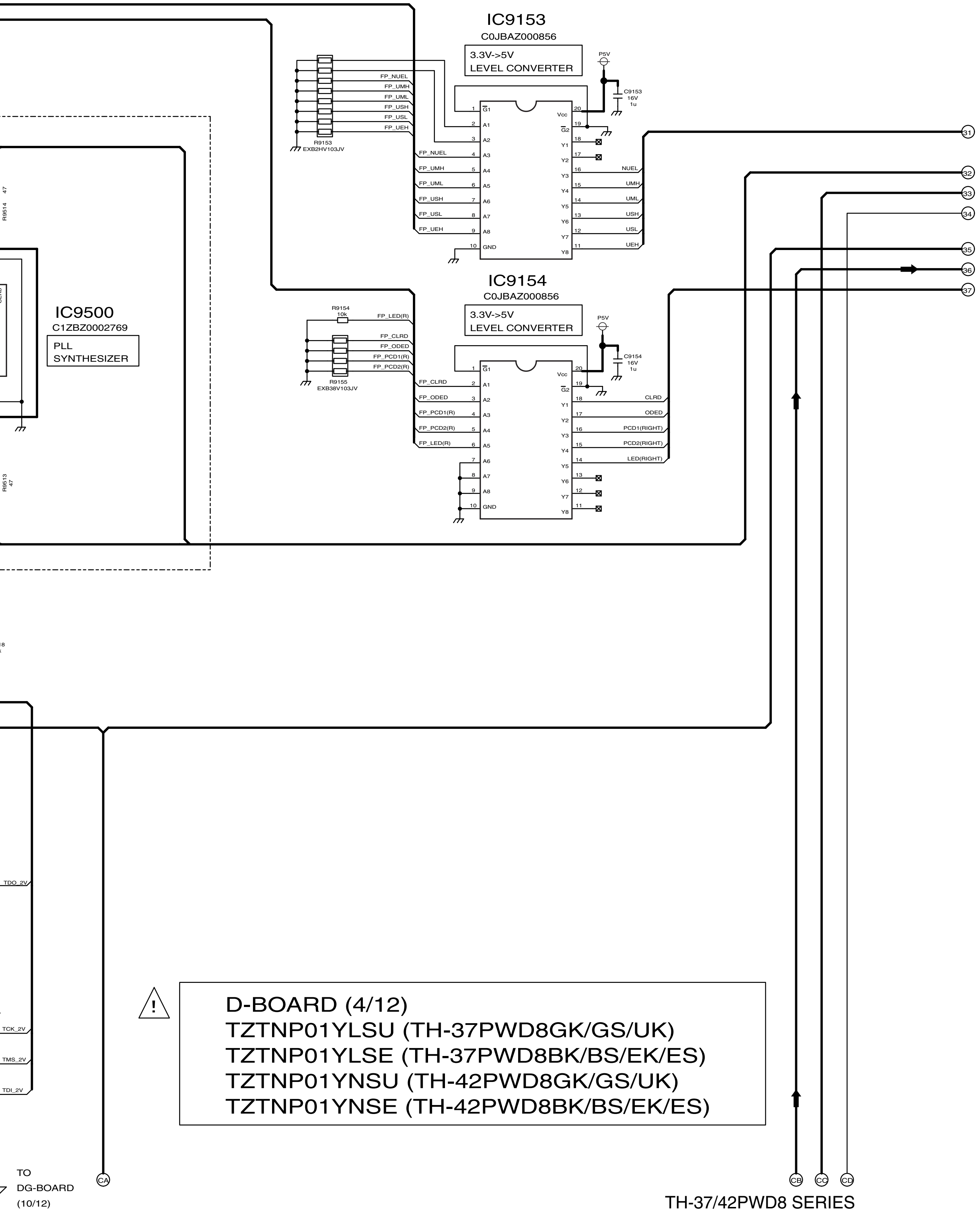
16 17 18 19


VCCINT(1.2V)
1.2V
L9205 J0JHC0000096
C9226 6.3V 10u
C9214 16V 47u
C9215 16V 0.1u
C9216 16V 0.1u
C9217 16V 0.1u
C9218 16V 0.1u
IC9201 D4 VCCINT
IC9201 N4 VCCINT
IC9201 E5 VCCINT
IC9201 M5 VCCINT
IC9201 E12 VCCINT
IC9201 M12 VCCINT
IC9201 D13 VCCINT
IC9201 N13 VCCINT
VCCAUX(2.5V)
2.5V
FPGA2.5V
L9206 J0JHC0000096
C9227 6.3V 10u
C9219 16V 0.1u
C9220 16V 0.1u
C9221 16V 0.1u
C9222 16V 0.1u
IC9201 F1 VCCAUX
IC9201 L1 VCCAUX
IC9201 A6 VCCAUX
IC9201 T6 VCCAUX
IC9201 A11 VCCAUX
IC9201 T11 VCCAUX
IC9201 F16 VCCAUX
IC9201 L16 VCCAUX
DATA_DRIVER
IC9201 G13 IO_L23P_2 ODEU
IC9201 H13 IO_L39N_2 CLRU
IC9201 H14 IO_L39P_2 PCU
IC9201 J14 IO_L39N_3 LEL
IC9201 G14 IO_L24N_2 PCU2
FP_ODED IC9201 L2 IO_L22P_6 ODED
FP_CLRD IC9201 N1 IO_L17P_6/VREF_6 CLRD
FP_PCD2(R) IC9201 L3 IO_L22N_6 PCD2
FP_PCD1(R) IC9201 M2 IO_L20N_6 PCD
FP_LED(R) IC9201 M1 IO_L20P_6 LER
SS_PULSE
FP_UML IC9201 J3 IO_L39P_6 UML
FP_UMH IC9201 J4 IO_L39N_6 UMH
FP_USL IC9201 K3 IO_L24N_6/VREF_6 USL
FP_NUEL IC9201 K1 IO NUEL
FP_UEH IC9201 K2 IO_L24P_6 UEH
FP_USH IC9201 K4 IO_L23P_6 USH
CLK_INPUT
IC9201 T9 IO_L32P_4/GCLK0 CLKM_IN
JTAG
TDO_PROM IC9201 A2 TDI TDI
TDO_2V IC9201 A15 TDO TDO
TMS_2V IC9201 C13 TMS TMS
TCK_2V IC9201 C14 TCK TCK
TEST PIN
IC9201 C12 IO_L27P_1 KME-TEST
IC9201 D8 IO_L31N_0 LVDS-TEST
IC9201
C1ZBZ0002917
SYNC SIGNAL CONTROL
LVDS RECEIVER
DISCHARGE VOLTAGE CONTROL
TTL S/P FPGA
OUTPUT_MAIN
R9271 EXB2HV470JV
MAIN_R0 … MAIN_R7
IC9201 T10 IO/VREF_4 M_ROUT0
IC9201 R10 IO_L30P_4/D3 M_ROUT1
IC9201 P10 IO_L30N_4/D2 M_ROUT2
IC9201 N10 IO_L29P_4 M_ROUT3
IC9201 M10 IO_L29N_4 M_ROUT4
IC9201 R11 IO_L28P_4 M_ROUT5
IC9201 P11 IO_L28N_4 M_ROUT6
IC9201 N11 IO_L27P_4/D1 M_ROUT7
R9272 EXB2HV470JV
MAIN_G0 … MAIN_G7
IC9201 T12 IO M_GOUT0
IC9201 R12 IO_L25P_4 M_GOUT1
IC9201 P12 IO_L25N_4 M_GOUT2
IC9201 N12 IO/VREF_4 M_GOUT3
IC9201 L12 IO_L23P_3/VREF_3 M_GOUT4
IC9201 K12 IO_L23N_3 M_GOUT5
IC9201 T13 IO_L01P_4/VRN_4 M_GOUT6
IC9201 R13 IO_L01N_4/VRP_4 M_GOUT7
R9273 EXB2HV470JV
MAIN_B0 … MAIN_B7
IC9201 P13 IO/VREF_4 M_BOUT0
IC9201 M13 IO_L21P_3 M_BOUT1
IC9201 L13 IO_L21N_3 M_BOUT2
IC9201 K13 IO_L24P_3 M_BOUT3
IC9201 T14 IO M_BOUT4
IC9201 P14 IO_L16P_3 M_BOUT5
IC9201 N14 IO_L19P_3 M_BOUT6
IC9201 M14 IO_L19N_3 M_BOUT7
VDO_M IC9201 P15 IO_L16N_3 VDOA
HDO_M R9274 0 IC9201 P16 IO_L01N_3/VRP_3 HDOA
DCK_M R9275 0 IC9201 R16 IO_L01P_3/VRN_3 DCKAO
R9276 22
AM_CLK
R9171 47
DCK_M
㉑ ㉒ ㉓ ㉔ ㉕
BE BF BG
NC
IO_L17P_3/VREF_3 XNVD
IO_L17N_3 XNHD
IO_L40N_6 VDIAA
IO_L40P_6/VREF_6 HDIAA
IO_L32N_5/GCLK3 DCKA
CLPB
L24N_7 VDIAB
HDIAB
L32P_5/GCLK2 DCKB
37PWD8GK/GS/UK)
37PWD8BK/BS/EK/ES)
42PWD8GK/GS/UK)
42PWD8BK/BS/EK/ES)
TO
DG-BOARD
(9/12)
20
21
22
23

TH-37/42PWD8 SERIES
D-Board (3 of 12) Schematic Diagram

15.31. D-Board (4 of 12) Schematic Diagram


21
22
23
24
25
CPG
3.3V
FL9501
G1C150KA0038
C9502
6.3V
10u
R9503
10k
C9504
16V
0.1u
MCKREF
REFCK
SCKREF
R9516
47
R9515
47
R9514
47
C9505
50V
15p
X9501
H0J200500038
C9506
50V
8p
R9502
0
20 X2
19 VDD
18 PDTS
17 S2
16 VDD
15 GND
14 31.6/OFF CLK5
13 39.5/20.75 CLK6
12 OFF/39.5/20.75 CLK7
11 50/60/64/39.5/20.75 CLK8
1 X1/ICLK
2 S0
3 S1
4 63/50/60/64 CLK9
5 VDD
6 GND
7 20SS CLK1
8 20/72/70 CLK2
9 OFF/60/50 CLK3
10 84/36/90/50 CLK4
IC9500
C1ZBZ0002
PLL
SYNTHESIZ
C9503
16V
0.1u
R9508
10k
R9505
10k
R9509
47
R9510
47
R9512
47
R9513
47
OCK
DCK
R9518
10k
IC9103
C0JBAE000354
2.5V->3.3V
LEVEL CONVERTER
3.3V
C9108
16V
0.1u
5 VCC
4 Y
1 A
2 B
3 GND
3.3V
R9148
4.7k
TDO_55
TDI_55
R9149
0
TDO_2V
IC9102
C0JBAZ002198
3.3V->2.5V
LEVEL CONVERTER
2.5V
C9107
16V
0.1u
1 OE1
2 I0
3 O7
4 I1
5 O6
6 I2
7 O5
8 I3
9 O4
10 GND
20 VCC
19 OE2
18 O0
17 I7
16 O1
15 I6
14 O2
13 I5
12 O3
11 I4
TCK_BS
TMS_BS
TDO_TED
TRST_BS
TCK_2V
TMS_2V
TDI_2V
TO
DG-BOARD
(10/12)
CA


IC9153
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
P5V
C9153
16V
1u
R9153
EXB2HV103JV
FP_NUEL
FP_UMH
FP_UML
FP_USH
FP_USL
FP_UEH
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
NUEL
UMH
UML
USH
USL
UEH
IC9154
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
P5V
C9154
16V
1u
R9154
10k
R9155
EXB38V103JV
FP_LED(R)
FP_CLRD
FP_ODED
FP_PCD1(R)
FP_PCD2(R)
CLRD
ODED
PCD1(RIGHT)
PCD2(RIGHT)
LED(RIGHT)
IC9500
C1ZBZ0002769
PLL
SYNTHESIZER
R9514
47
R9513
47
TDO_2V
TCK_2V
TMS_2V
TDI_2V
31
32
33
34
35
36
37
CA
CB
CC
CD
TO
DG-BOARD
(10/12)

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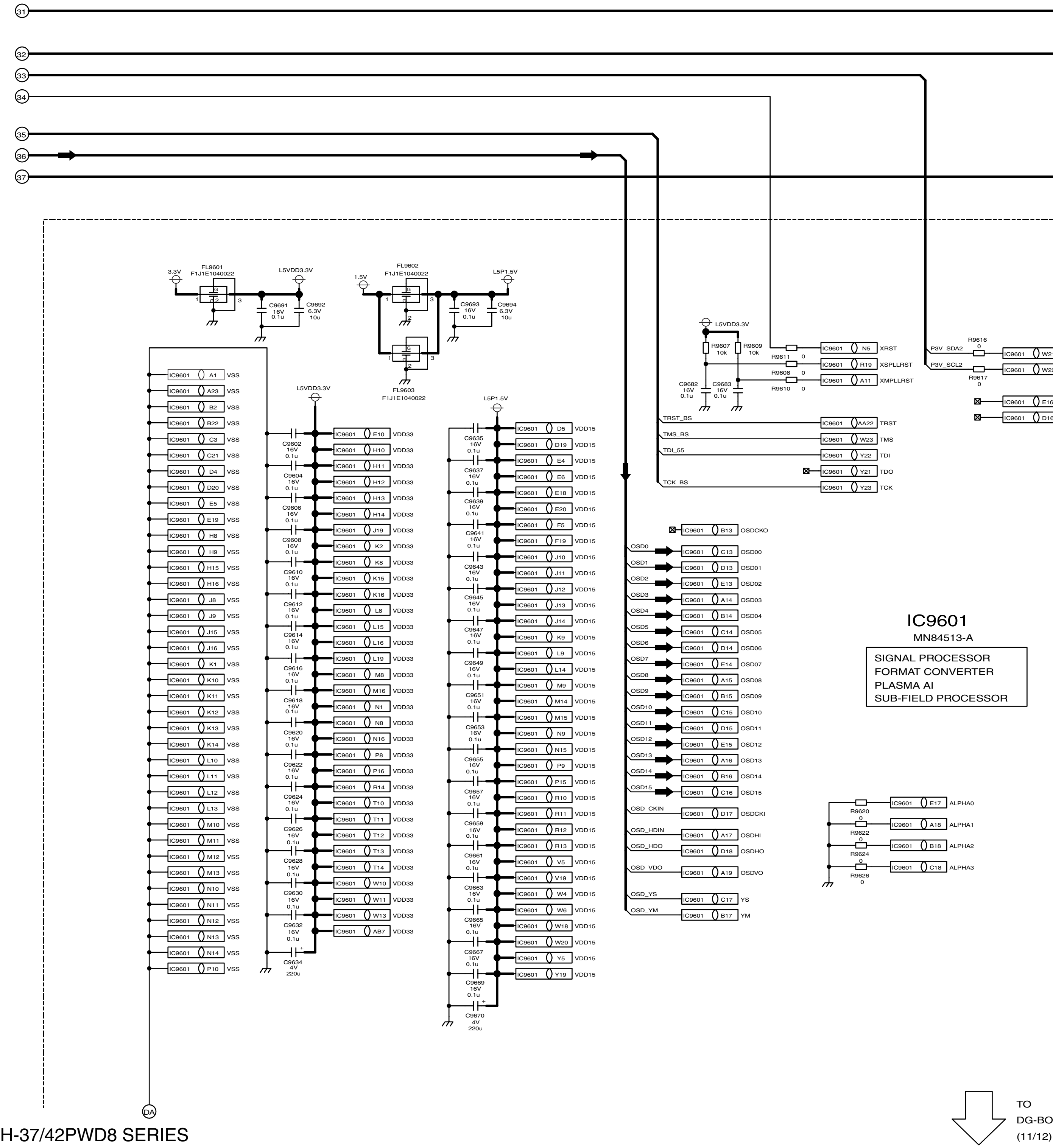
D-BOARD (4/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

TH-37/42PWD8 SERIES
D-Board (4 of 12) Schematic Diagram

15.32. D-Board (5 of 12) Schematic Diagram



31
32
33
34
35
36
37
FL9601
F1J1E1040022
3.3V
L5VDD3.3V
C9691 16V 0.1u
C9692 6.3V 10u
FL9602
F1J1E1040022
1.5V
L5P1.5V
C9693 16V 0.1u
C9694 6.3V 10u
FL9603
F1J1E1040022
L5VDD3.3V
R9607 10k
R9609 10k
R9611 0
R9608 0
R9610 0
C9682 16V 0.1u
C9683 16V 0.1u
IC9601 N5 XRST
IC9601 R19 XSPLLRST
IC9601 A11 XMPLLRST
P3V_SDA2
P3V_SCL2
R9616 0
R9617 0
TRST_BS
TMS_BS
TDI_55
TCK_BS
IC9601 AA22 TRST
IC9601 W23 TMS
IC9601 Y22 TDI
IC9601 Y21 TDO
IC9601 Y23 TCK
IC9601 A1 VSS
IC9601 A23 VSS
IC9601 B2 VSS
IC9601 B22 VSS
IC9601 C3 VSS
IC9601 C21 VSS
IC9601 D4 VSS
IC9601 D20 VSS
IC9601 E5 VSS
IC9601 E19 VSS
IC9601 H8 VSS
IC9601 H9 VSS
IC9601 H15 VSS
IC9601 H16 VSS
IC9601 J8 VSS
IC9601 J9 VSS
IC9601 J15 VSS
IC9601 J16 VSS
IC9601 K1 VSS
IC9601 K10 VSS
IC9601 K11 VSS
IC9601 K12 VSS
IC9601 K13 VSS
IC9601 K14 VSS
IC9601 L10 VSS
IC9601 L11 VSS
IC9601 L12 VSS
IC9601 L13 VSS
IC9601 M10 VSS
IC9601 M11 VSS
IC9601 M12 VSS
IC9601 M13 VSS
IC9601 N10 VSS
IC9601 N11 VSS
IC9601 N12 VSS
IC9601 N13 VSS
IC9601 N14 VSS
IC9601 P10 VSS
IC9601 E10 VDD33
IC9601 H10 VDD33
IC9601 H11 VDD33
IC9601 H12 VDD33
IC9601 H13 VDD33
IC9601 H14 VDD33
IC9601 J19 VDD33
IC9601 K2 VDD33
IC9601 K8 VDD33
IC9601 K15 VDD33
IC9601 K16 VDD33
IC9601 L8 VDD33
IC9601 L15 VDD33
IC9601 L16 VDD33
IC9601 L19 VDD33
IC9601 M8 VDD33
IC9601 M16 VDD33
IC9601 N1 VDD33
IC9601 N8 VDD33
IC9601 N16 VDD33
IC9601 P8 VDD33
IC9601 P16 VDD33
IC9601 R14 VDD33
IC9601 T10 VDD33
IC9601 T11 VDD33
IC9601 T12 VDD33
IC9601 T13 VDD33
IC9601 T14 VDD33
IC9601 W10 VDD33
IC9601 W11 VDD33
IC9601 W13 VDD33
IC9601 AB7 VDD33
C9602 16V 0.1u
C9604 16V 0.1u
C9606 16V 0.1u
C9608 16V 0.1u
C9610 16V 0.1u
C9612 16V 0.1u
C9614 16V 0.1u
C9616 16V 0.1u
C9618 16V 0.1u
C9620 16V 0.1u
C9622 16V 0.1u
C9624 16V 0.1u
C9626 16V 0.1u
C9628 16V 0.1u
C9630 16V 0.1u
C9632 16V 0.1u
C9634 4V 220u
IC9601 D5 VDD15
IC9601 D19 VDD15
IC9601 E4 VDD15
IC9601 E6 VDD15
IC9601 E18 VDD15
IC9601 E20 VDD15
IC9601 F5 VDD15
IC9601 F19 VDD15
IC9601 J10 VDD15
IC9601 J11 VDD15
IC9601 J12 VDD15
IC9601 J13 VDD15
IC9601 J14 VDD15
IC9601 K9 VDD15
IC9601 L9 VDD15
IC9601 L14 VDD15
IC9601 M9 VDD15
IC9601 M14 VDD15
IC9601 M15 VDD15
IC9601 N9 VDD15
IC9601 N15 VDD15
IC9601 P9 VDD15
IC9601 P15 VDD15
IC9601 R10 VDD15
IC9601 R11 VDD15
IC9601 R12 VDD15
IC9601 R13 VDD15
IC9601 V5 VDD15
IC9601 V19 VDD15
IC9601 W4 VDD15
IC9601 W6 VDD15
IC9601 W18 VDD15
IC9601 W20 VDD15
IC9601 Y5 VDD15
IC9601 Y19 VDD15
C9635 16V 0.1u
C9637 16V 0.1u
C9639 16V 0.1u
C9641 16V 0.1u
C9643 16V 0.1u
C9645 16V 0.1u
C9647 16V 0.1u
C9649 16V 0.1u
C9651 16V 0.1u
C9653 16V 0.1u
C9655 16V 0.1u
C9657 16V 0.1u
C9659 16V 0.1u
C9661 16V 0.1u
C9663 16V 0.1u
C9665 16V 0.1u
C9667 16V 0.1u
C9669 16V 0.1u
C9670 4V 220u
IC9601 B13 OSDCKO
OSD0 IC9601 C13 OSD00
OSD1 IC9601 D13 OSD01
OSD2 IC9601 E13 OSD02
OSD3 IC9601 A14 OSD03
OSD4 IC9601 B14 OSD04
OSD5 IC9601 C14 OSD05
OSD6 IC9601 D14 OSD06
OSD7 IC9601 E14 OSD07
OSD8 IC9601 A15 OSD08
OSD9 IC9601 B15 OSD09
OSD10 IC9601 C15 OSD10
OSD11 IC9601 D15 OSD11
OSD12 IC9601 E15 OSD12
OSD13 IC9601 A16 OSD13
OSD14 IC9601 B16 OSD14
OSD15 IC9601 C16 OSD15
OSD_CKIN IC9601 D17 OSDCKI
OSD_HDIN IC9601 A17 OSDHI
OSD_HDO IC9601 D18 OSDHO
OSD_VDO IC9601 A19 OSDVO
OSD_YS IC9601 C17 YS
OSD_YM IC9601 B17 YM
IC9601 W2
IC9601 W2
IC9601 E1
IC9601 D1
IC9601
MN84513-A
SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
R9620 0 IC9601 E17 ALPHA0
R9622 0 IC9601 A18 ALPHA1
R9624 0 IC9601 B18 ALPHA2
R9626 0 IC9601 C18 ALPHA3
DA
TO
DG-BO
(11/12)

TH-37/42PWD8 SERIES
D-Board (5 of 12) Schematic Diagram

31 32 33 34

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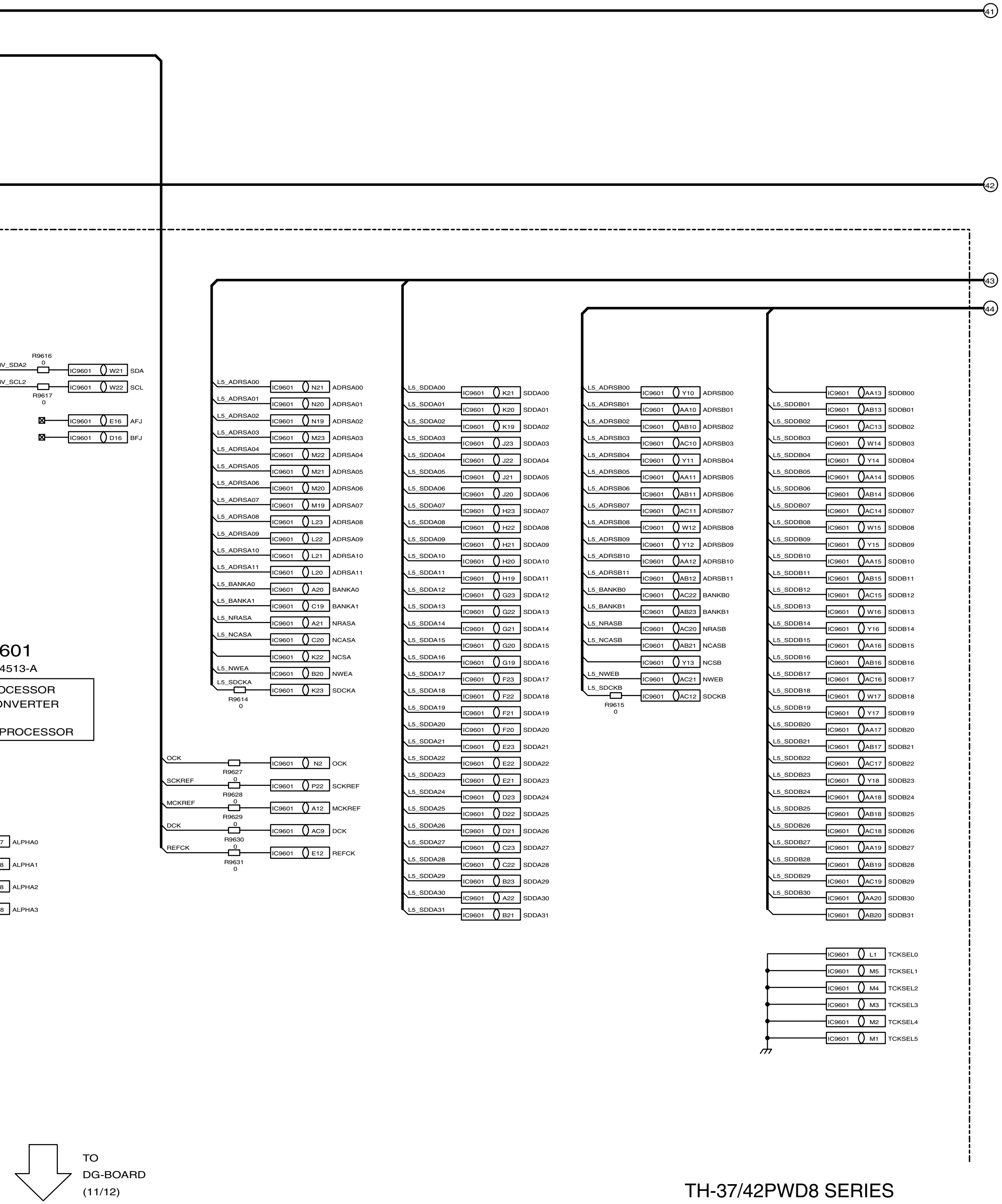
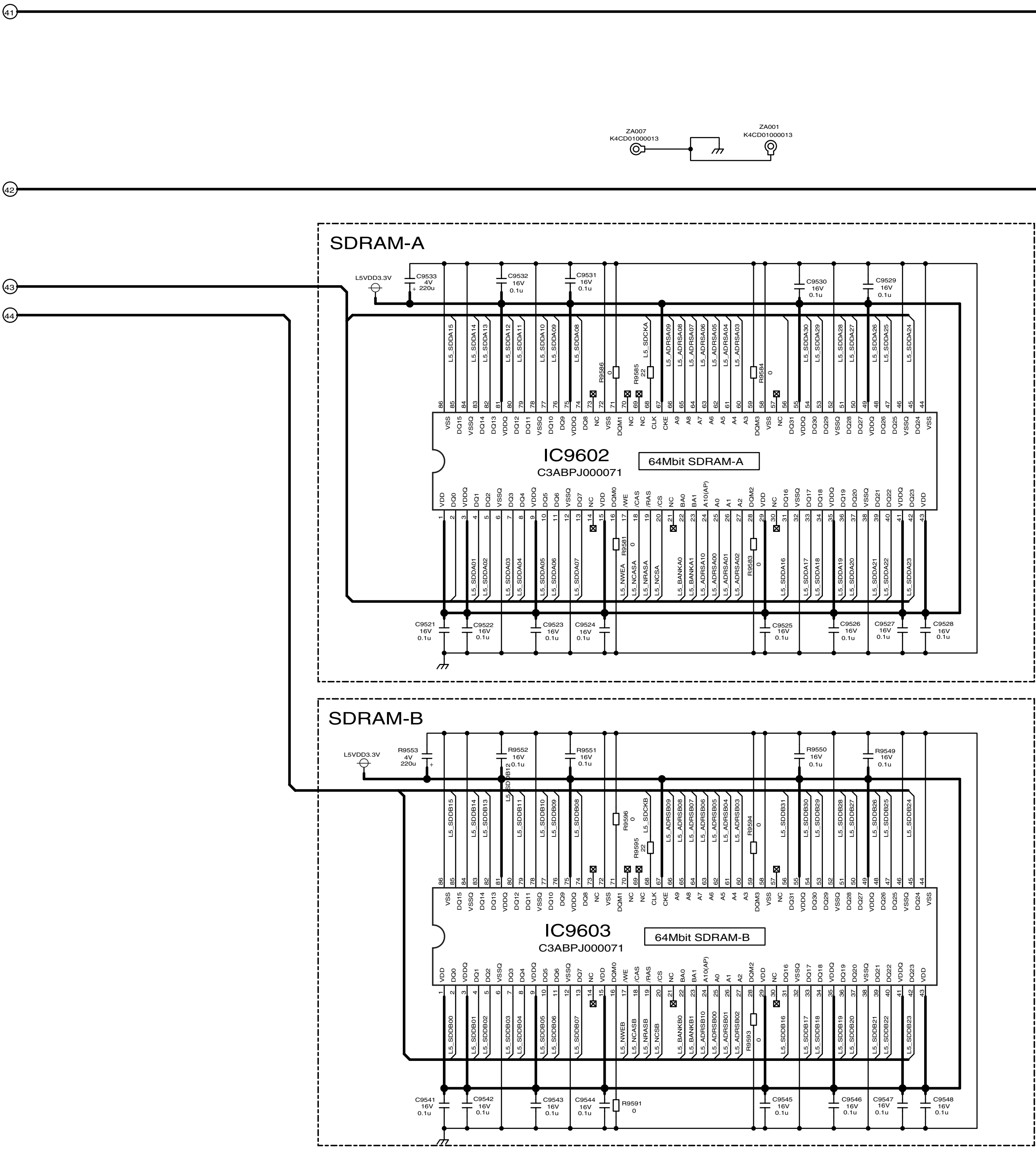
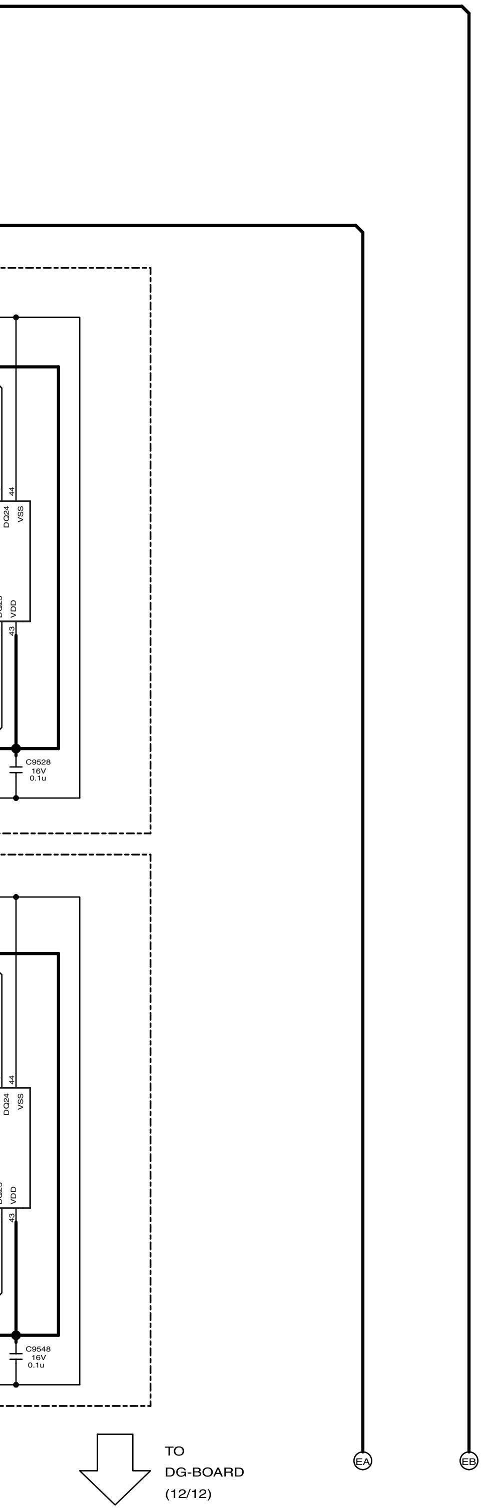
D-BOARD (5/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


41
42
43
44
V_SDA2 R9616 0 IC9601 W21 SDA
V_SCL2 R9617 0 IC9601 W22 SCL
IC9601 E16 AFJ
IC9601 D16 BFJ
601
4513-A
OCESSOR
NVERTER
PROCESSOR
ALPHA0
ALPHA1
ALPHA2
ALPHA3
L5_ADRSA00 IC9601 N21 ADRSA00
L5_ADRSA01 IC9601 N20 ADRSA01
L5_ADRSA02 IC9601 N19 ADRSA02
L5_ADRSA03 IC9601 M23 ADRSA03
L5_ADRSA04 IC9601 M22 ADRSA04
L5_ADRSA05 IC9601 M21 ADRSA05
L5_ADRSA06 IC9601 M20 ADRSA06
L5_ADRSA07 IC9601 M19 ADRSA07
L5_ADRSA08 IC9601 L23 ADRSA08
L5_ADRSA09 IC9601 L22 ADRSA09
L5_ADRSA10 IC9601 L21 ADRSA10
L5_ADRSA11 IC9601 L20 ADRSA11
L5_BANKA0 IC9601 A20 BANKA0
L5_BANKA1 IC9601 C19 BANKA1
L5_NRASA IC9601 A21 NRASA
L5_NCASA IC9601 C20 NCASA
IC9601 K22 NCSA
L5_NWEA IC9601 B20 NWEA
L5_SDCKA R9614 0 IC9601 K23 SDCKA
OCK R9627 0 IC9601 N2 OCK
SCKREF R9628 0 IC9601 P22 SCKREF
MCKREF R9629 0 IC9601 A12 MCKREF
DCK R9630 0 IC9601 AC9 DCK
REFCK R9631 0 IC9601 E12 REFCK
L5_SDDA00 IC9601 K21 SDDA00
L5_SDDA01 IC9601 K20 SDDA01
L5_SDDA02 IC9601 K19 SDDA02
L5_SDDA03 IC9601 J23 SDDA03
L5_SDDA04 IC9601 J22 SDDA04
L5_SDDA05 IC9601 J21 SDDA05
L5_SDDA06 IC9601 J20 SDDA06
L5_SDDA07 IC9601 H23 SDDA07
L5_SDDA08 IC9601 H22 SDDA08
L5_SDDA09 IC9601 H21 SDDA09
L5_SDDA10 IC9601 H20 SDDA10
L5_SDDA11 IC9601 H19 SDDA11
L5_SDDA12 IC9601 G23 SDDA12
L5_SDDA13 IC9601 G22 SDDA13
L5_SDDA14 IC9601 G21 SDDA14
L5_SDDA15 IC9601 G20 SDDA15
L5_SDDA16 IC9601 G19 SDDA16
L5_SDDA17 IC9601 F23 SDDA17
L5_SDDA18 IC9601 F22 SDDA18
L5_SDDA19 IC9601 F21 SDDA19
L5_SDDA20 IC9601 F20 SDDA20
L5_SDDA21 IC9601 E23 SDDA21
L5_SDDA22 IC9601 E22 SDDA22
L5_SDDA23 IC9601 E21 SDDA23
L5_SDDA24 IC9601 D23 SDDA24
L5_SDDA25 IC9601 D22 SDDA25
L5_SDDA26 IC9601 D21 SDDA26
L5_SDDA27 IC9601 C23 SDDA27
L5_SDDA28 IC9601 C22 SDDA28
L5_SDDA29 IC9601 B23 SDDA29
L5_SDDA30 IC9601 A22 SDDA30
L5_SDDA31 IC9601 B21 SDDA31
L5_ADRSB00 IC9601 Y10 ADRSB00
L5_ADRSB01 IC9601 AA10 ADRSB01
L5_ADRSB02 IC9601 AB10 ADRSB02
L5_ADRSB03 IC9601 AC10 ADRSB03
L5_ADRSB04 IC9601 Y11 ADRSB04
L5_ADRSB05 IC9601 AA11 ADRSB05
L5_ADRSB06 IC9601 AB11 ADRSB06
L5_ADRSB07 IC9601 AC11 ADRSB07
L5_ADRSB08 IC9601 W12 ADRSB08
L5_ADRSB09 IC9601 Y12 ADRSB09
L5_ADRSB10 IC9601 AA12 ADRSB10
L5_ADRSB11 IC9601 AB12 ADRSB11
L5_BANKB0 IC9601 AC22 BANKB0
L5_BANKB1 IC9601 AB23 BANKB1
L5_NRASB IC9601 AC20 NRASB
L5_NCASB IC9601 AB21 NCASB
IC9601 Y13 NCSB
L5_NWEB IC9601 AC21 NWEB
L5_SDCKB R9615 0 IC9601 AC12 SDCKB
IC9601 AA13 SDDB00
L5_SDDB01 IC9601 AB13 SDDB01
L5_SDDB02 IC9601 AC13 SDDB02
L5_SDDB03 IC9601 W14 SDDB03
L5_SDDB04 IC9601 Y14 SDDB04
L5_SDDB05 IC9601 AA14 SDDB05
L5_SDDB06 IC9601 AB14 SDDB06
L5_SDDB07 IC9601 AC14 SDDB07
L5_SDDB08 IC9601 W15 SDDB08
L5_SDDB09 IC9601 Y15 SDDB09
L5_SDDB10 IC9601 AA15 SDDB10
L5_SDDB11 IC9601 AB15 SDDB11
L5_SDDB12 IC9601 AC15 SDDB12
L5_SDDB13 IC9601 W16 SDDB13
L5_SDDB14 IC9601 Y16 SDDB14
L5_SDDB15 IC9601 AA16 SDDB15
L5_SDDB16 IC9601 AB16 SDDB16
L5_SDDB17 IC9601 AC16 SDDB17
L5_SDDB18 IC9601 W17 SDDB18
L5_SDDB19 IC9601 Y17 SDDB19
L5_SDDB20 IC9601 AA17 SDDB20
L5_SDDB21 IC9601 AB17 SDDB21
L5_SDDB22 IC9601 AC17 SDDB22
L5_SDDB23 IC9601 Y18 SDDB23
L5_SDDB24 IC9601 AA18 SDDB24
L5_SDDB25 IC9601 AB18 SDDB25
L5_SDDB26 IC9601 AC18 SDDB26
L5_SDDB27 IC9601 AA19 SDDB27
L5_SDDB28 IC9601 AB19 SDDB28
L5_SDDB29 IC9601 AC19 SDDB29
L5_SDDB30 IC9601 AA20 SDDB30
IC9601 AB20 SDDB31
IC9601 L1 TCKSEL0
IC9601 M5 TCKSEL1
IC9601 M4 TCKSEL2
IC9601 M3 TCKSEL3
IC9601 M2 TCKSEL4
IC9601 M1 TCKSEL5
TO
DG-BOARD
(11/12)

TH-37/42PWD8 SERIES
D-Board (5 of 12) Schematic Diagram

15.33. D-Board (6 of 12) Schematic Diagram


41
42
43
44
ZA007
K4CD01000013
ZA001
K4CD01000013
SDRAM-A
L5VDD3.3V
C9533 4V 220u
C9532 16V 0.1u
C9531 16V 0.1u
C9530 16V 0.1u
C9529 16V 0.1u
R9586 0
R9585 22
R9584 0
R9581 0
R9583 0
IC9602
C3ABPJ000071
64Mbit SDRAM-A
C9521 16V 0.1u
C9522 16V 0.1u
C9523 16V 0.1u
C9524 16V 0.1u
C9525 16V 0.1u
C9526 16V 0.1u
C9527 16V 0.1u
C9528 16V 0.1u
SDRAM-B
L5VDD3.3V
R9553 4V 220u
R9552 16V 0.1u
R9551 16V 0.1u
R9550 16V 0.1u
R9549 16V 0.1u
R9596 0
R9595 22
R9594 0
R9593 0
IC9603
C3ABPJ000071
64Mbit SDRAM-B
C9541 16V 0.1u
C9542 16V 0.1u
C9543 16V 0.1u
C9544 16V 0.1u
R9591 0
C9545 16V 0.1u
C9546 16V 0.1u
C9547 16V 0.1u
C9548 16V 0.1u


44
DQ24
VSS
VDD
43
C9528
16V
0.1u
44
DQ24
VSS
VDD
43
C9548
16V
0.1u
TO
DG-BOARD
(12/12)
EA
EB

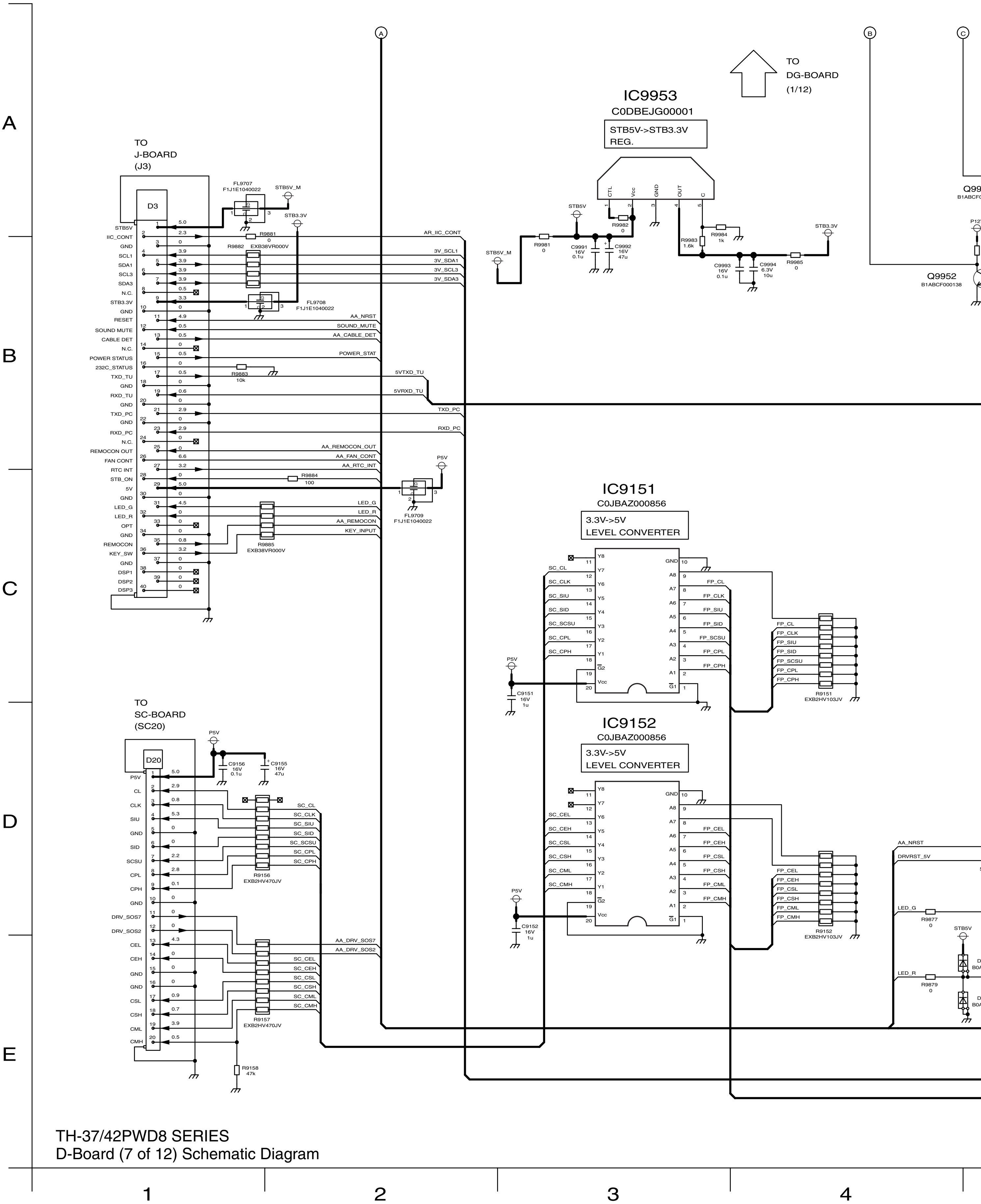
⚠

D-BOARD (6/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

TH-37/42PWD8 SERIES
D-Board (6 of 12) Schematic Diagram

42 43 44 45

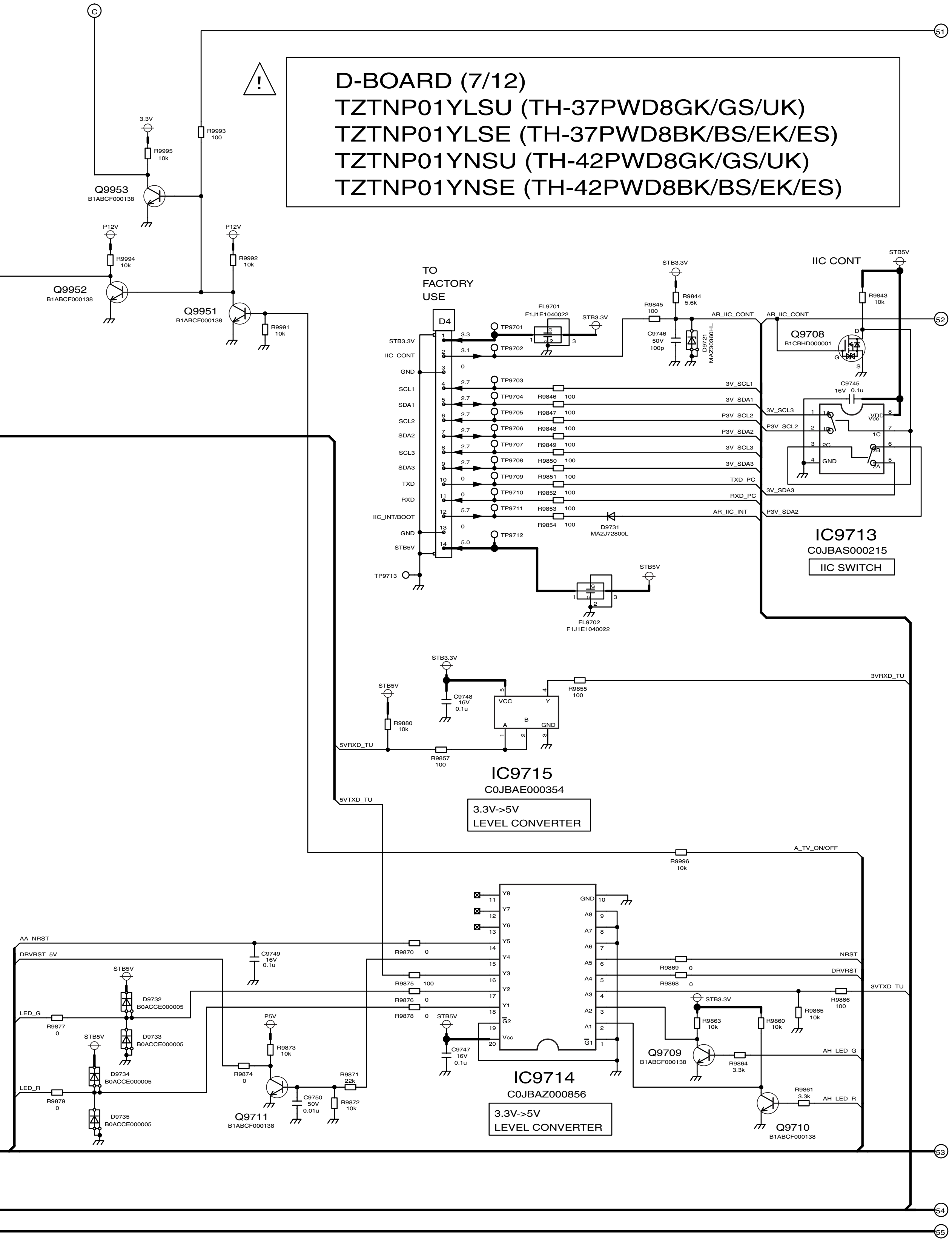
15.34. D-Board (7 of 12) Schematic Diagram


A
B
C
D
E
1
2
3
4
TO
J-BOARD
(J3)
D3
STB5V
IIC_CONT
GND
SCL1
SDA1
SCL3
SDA3
N.C.
STB3.3V
RESET
SOUND MUTE
CABLE DET
POWER STATUS
232C_STATUS
TXD_TU
RXD_TU
TXD_PC
RXD_PC
REMOCON OUT
FAN CONT
RTC INT
STB_ON
5V
LED_G
LED_R
OPT
REMOCON
KEY_SW
DSP1
DSP2
DSP3
FL9707
F1J1E1040022
STB5V_M
STB3.3V
R9881
0
R9882
EXB38VR000V
FL9708
F1J1E1040022
R9883
10k
R9884
100
FL9709
F1J1E1040022
P5V
R9885
EXB38VR000V
AR_IIC_CONT
3V_SCL1
3V_SDA1
3V_SCL3
3V_SDA3
AA_NRST
SOUND_MUTE
AA_CABLE_DET
POWER_STAT
5VTXD_TU
5VRXD_TU
TXD_PC
RXD_PC
AA_REMOCON_OUT
AA_FAN_CONT
AA_RTC_INT
LED_G
LED_R
AA_REMOCON
KEY_INPUT
TO
DG-BOARD
(1/12)
IC9953
C0DBEJG00001
STB5V->STB3.3V
REG.
CTL
Vcc
GND
OUT
C
R9981
0
R9982
0
C9991
16V
0.1u
C9992
16V
47u
R9983
1.6k
R9984
1k
C9993
16V
0.1u
C9994
6.3V
10u
R9985
0
Q9952
B1ABCF000138
IC9151
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
SC_CL
SC_CLK
SC_SIU
SC_SID
SC_SCSU
SC_CPL
SC_CPH
FP_CL
FP_CLK
FP_SIU
FP_SID
FP_SCSU
FP_CPL
FP_CPH
C9151
16V
1u
R9151
EXB2HV103JV
IC9152
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
SC_CEL
SC_CEH
SC_CSL
SC_CSH
SC_CML
SC_CMH
FP_CEL
FP_CEH
FP_CSL
FP_CSH
FP_CML
FP_CMH
C9152
16V
1u
R9152
EXB2HV103JV
TO
SC-BOARD
(SC20)
D20
P5V
CL
CLK
SIU
GND
SID
SCSU
CPL
CPH
DRV_SOS7
DRV_SOS2
CEL
CEH
CSL
CSH
CML
CMH
C9156
16V
0.1u
C9155
16V
47u
R9156
EXB2HV470JV
R9157
EXB2HV470JV
AA_DRV_SOS7
AA_DRV_SOS2
R9158
47k
AA_NRST
DRVRST_5V
LED_G
R9877
0
LED_R
R9879
0
STB5V

TH-37/42PWD8 SERIES
D-Board (7 of 12) Schematic Diagram

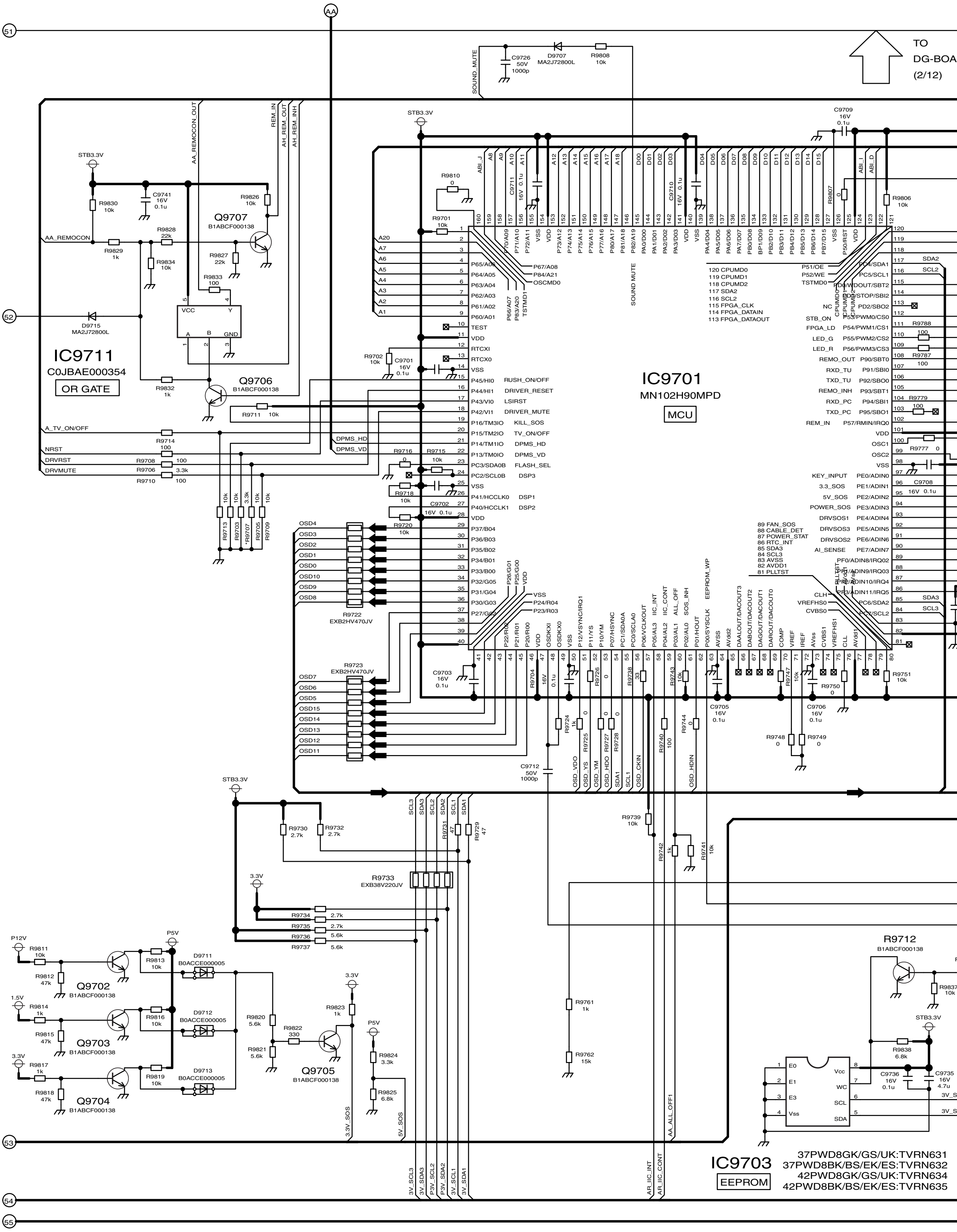
D-BOARD (7/12)

TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

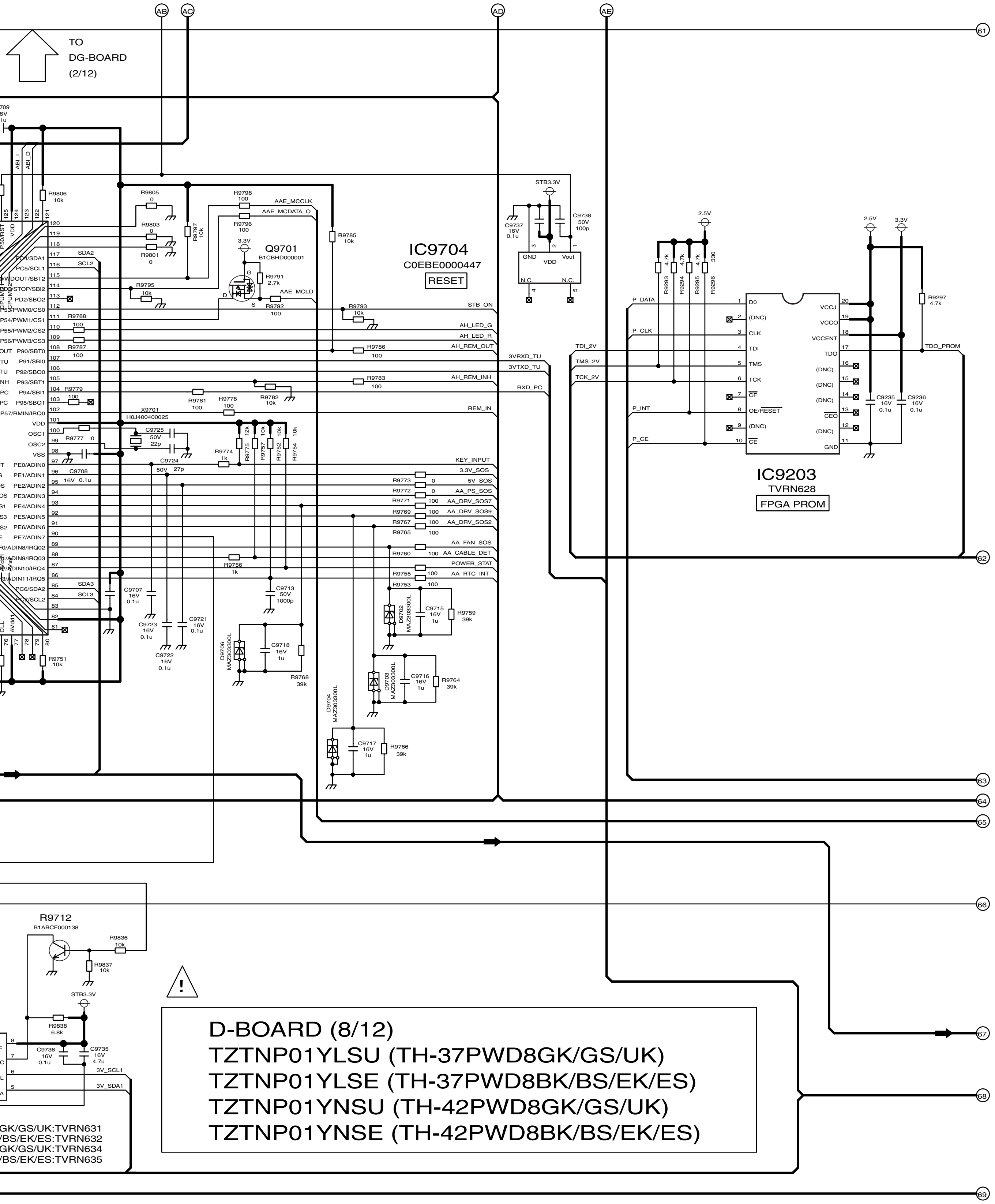


C
51
52
53
54
55
3.3V
R9995 10k
R9993 100
Q9953 B1ABCF000138
P12V
R9994 10k
R9992 10k
Q9952 B1ABCF000138
Q9951 B1ABCF000138
R9991 10k
TO FACTORY USE
D4
STB3.3V
IIC_CONT
GND
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
TXD
RXD
IIC_INT/BOOT
GND
STB5V
TP9713
FL9701 F1J1E1040022
FL9702 F1J1E1040022
TP9701
TP9702
TP9703
TP9704
TP9705
TP9706
TP9707
TP9708
TP9709
TP9710
TP9711
TP9712
R9846 100
R9847 100
R9848 100
R9849 100
R9850 100
R9851 100
R9852 100
R9853 100
R9854 100
D9731 MA2J72800L
R9845 100
R9844 5.6k
C9746 50V 100p
D9721 MAZ8056OHL
AR_IIC_CONT
3V_SCL1
3V_SDA1
P3V_SCL2
P3V_SDA2
3V_SCL3
3V_SDA3
TXD_PC
RXD_PC
AR_IIC_INT
IIC CONT
STB5V
R9843 10k
Q9708 B1CBHD000001
C9745 16V 0.1u
VDD Vcc
GND
IC9713
C0JBAS000215
IIC SWITCH
STB3.3V
STB5V
C9748 16V 0.1u
R9880 10k
R9855 100
R9857 100
3VRXD_TU
5VRXD_TU
5VTXD_TU
VCC Y A B GND
IC9715
C0JBAE000354
3.3V->5V LEVEL CONVERTER
A_TV_ON/OFF
R9996 10k
AA_NRST
DRVRST_5V
C9749 16V 0.1u
D9732 B0ACCE000005
D9733 B0ACCE000005
D9734 B0ACCE000005
D9735 B0ACCE000005
LED_G
R9877 0
LED_R
R9879 0
R9870 0
R9875 100
R9876 0
R9878 0
P5V
R9873 10k
R9874 0
R9871 22k
R9872 10k
C9750 50V 0.01u
Q9711 B1ABCF000138
C9747 16V 0.1u
IC9714
C0JBAZ000856
3.3V->5V LEVEL CONVERTER
NRST
DRVRST
3VTXD_TU
R9869 0
R9868 0
R9866 100
R9865 10k
R9863 10k
R9860 10k
R9864 3.3k
R9861 3.3k
Q9709 B1ABCF000138
Q9710 B1ABCF000138
AH_LED_G
AH_LED_R

15.35. D-Board (8 of 12) Schematic Diagram


AA
51
52
53
54
55
TO
DG-BOA
(2/12)
SOUND_MUTE
C9726 50V 1000p
D9707 MA2J72800L
R9808 10k
STB3.3V
AA_REMOCON_OUT
REM_IN
AH_REM_OUT
AH_REM_INH
C9741 16V 0.1u
R9830 10k
R9826 10k
Q9707 B1ABCF000138
AA_REMOCON
R9828 22k
R9829 1k
R9834 10k
R9827 22k
R9833 100
D9715 MA2J72800L
IC9711
C0JBAE000354
OR GATE
VCC
Y
A
B
GND
Q9706 B1ABCF000138
R9832 1k
R9711 10k
A_TV_ON/OFF
R9714 100
NRST
DRVRST
DRVMUTE
R9708 100
R9706 3.3k
R9710 100
R9713
R9703
R9707
R9705
R9709
R9810 0
R9701 10k
R9702 10k
C9701 16V 0.1u
R9716 0
R9715 10k
R9718 10k
C9702 16V 0.1u
R9720 10k
DPMS_HD
DPMS_VD
OSD4
OSD3
OSD2
OSD1
OSD0
OSD10
OSD9
OSD8
R9722 EXB2HV470JV
R9723 EXB2HV470JV
OSD7
OSD6
OSD5
OSD15
OSD14
OSD13
OSD12
OSD11
IC9701
MN102H90MPD
MCU
C9709 16V 0.1u
R9806 10k
R9807 0
C9711 16V 0.1u
C9710 16V 0.1u
C9703 16V 0.1u
C9705 16V 0.1u
C9706 16V 0.1u
C9708 16V 0.1u
C9712 50V 1000p
R9788 100
R9787 100
R9779 100
R9777 0
R9751 10k
R9750 0
R9748 0
R9749 0
R9747 10k
R9704
R9724 1k
R9725 0
R9726 0
R9727 0
R9728 0
R9738 33
R9743 10k
R9740 100
R9744 0
OSD_VDO
OSD_YS
OSD_YM
OSD_HDO
SDA1
SCL1
OSD_CKIN
OSD_HDIN
STB3.3V
R9730 2.7k
R9732 2.7k
SCL3
SDA3
SCL2
SDA2
SCL1
SDA1
R9731 47
R9729 47
R9733 EXB38V220JV
R9739 10k
R9742 1k
R9741 10k
3.3V
R9734 2.7k
R9735 2.7k
R9736 5.6k
R9737 5.6k
P12V
P5V
1.5V
R9811 10k
R9812 47k
R9813 10k
Q9702 B1ABCF000138
D9711 B0ACCE000005
R9814 1k
R9815 47k
R9816 10k
Q9703 B1ABCF000138
D9712 B0ACCE000005
R9817 1k
R9818 47k
R9819 10k
Q9704 B1ABCF000138
D9713 B0ACCE000005
R9820 5.6k
R9821 5.6k
R9822 330
R9823 1k
Q9705 B1ABCF000138
R9824 3.3k
R9825 6.8k
3.3V_SOS
5V_SOS
R9761 1k
R9762 15k
3V_SCL3
3V_SDA3
P3V_SCL2
P3V_SDA2
P3V_SCL1
3V_SCL1
3V_SDA1
AR_IIC_INT
AR_IIC_CONT
AA_ALL_OFF1
R9712
B1ABCF000138
R9837 10k
STB3.3V
R9838 6.8k
C9736 16V 0.1u
C9735 16V 4.7u
E0
E1
E3
Vss
Vcc
WC
SCL
SDA
IC9703
EEPROM
37PWD8GK/GS/UK:TVRN631
37PWD8BK/BS/EK/ES:TVRN632
42PWD8GK/GS/UK:TVRN634
42PWD8BK/BS/EK/ES:TVRN635
8
9
10
11

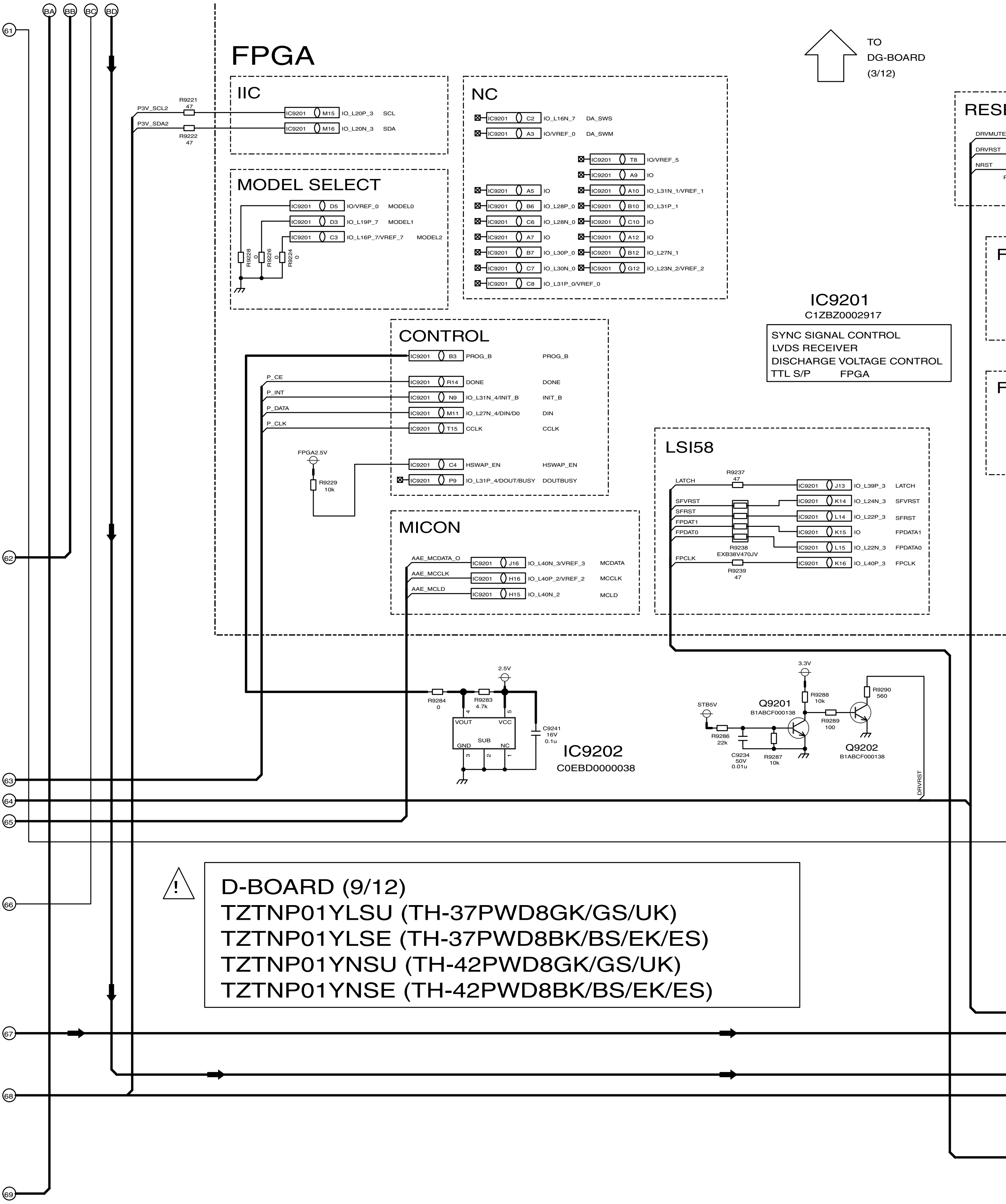
TH-37/42PWD8 SERIES
D-Board (8 of 12) Schematic Diagram


AB
AC
AD
AE
TO
DG-BOARD
(2/12)
IC9704
C0EBE0000447
RESET
Q9701
B1CBHD000001
IC9203
TVRN628
FPGA PROM
R9712
B1ABCF000138
STB3.3V
2.5V
3.3V
STB_ON
AH_LED_G
AH_LED_R
AH_REM_OUT
AH_REM_INH
REM_IN
RXD_PC
3VRXD_TU
3VTXD_TU
KEY_INPUT
3.3V_SOS
5V_SOS
AA_PS_SOS
AA_DRV_SOS7
AA_DRV_SOS9
AA_DRV_SOS2
AA_FAN_SOS
AA_CABLE_DET
POWER_STAT
AA_RTC_INT
AAE_MCCLK
AAE_MCDATA_O
AAE_MCLD
P_DATA
P_CLK
P_INT
P_CE
TDI_2V
TMS_2V
TCK_2V
TDO_PROM
3V_SCL1
3V_SDA1
D0
(DNC)
CLK
TDI
TMS
TCK
CF
OE/RESET
CE
VCCJ
VCCO
VCCENT
TDO
CEO
GND
X9701
H0J400400025
MAZ303300L
61
62
63
64
65
66
67
68
69
GK/GS/UK:TVRN631
/BS/EK/ES:TVRN632
GK/GS/UK:TVRN634
/BS/EK/ES:TVRN635

D-BOARD (8/12)

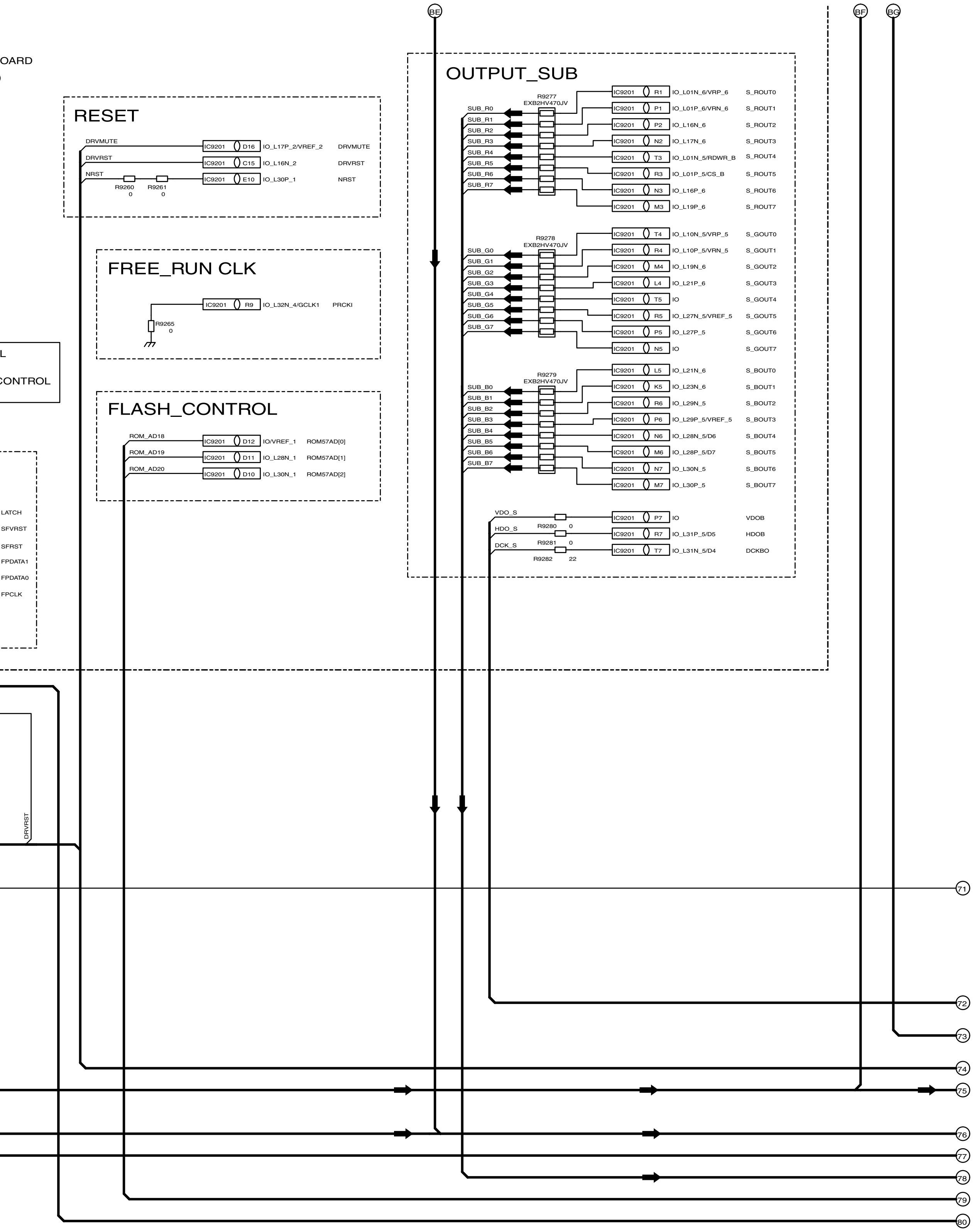
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

15.36. D-Board (9 of 12) Schematic Diagram



BA
BB
BC
BD
61
62
63
64
65
66
67
68
69
FPGA
TO
DG-BOARD
(3/12)
RESE
DRVMUTE
DRVRST
NRST
IIC
P3V_SCL2
P3V_SDA2
R9221
47
R9222
47
IC9201 M15 IO_L20P_3 SCL
IC9201 M16 IO_L20N_3 SDA
NC
IC9201 C2 IO_L16N_7 DA_SWS
IC9201 A3 IO/VREF_0 DA_SWM
IC9201 T8 IO/VREF_5
IC9201 A9 IO
IC9201 A5 IO
IC9201 A10 IO_L31N_1/VREF_1
IC9201 B6 IO_L28P_0
IC9201 B10 IO_L31P_1
IC9201 C6 IO_L28N_0
IC9201 C10 IO
IC9201 A7 IO
IC9201 A12 IO
IC9201 B7 IO_L30P_0
IC9201 B12 IO_L27N_1
IC9201 C7 IO_L30N_0
IC9201 G12 IO_L23N_2/VREF_2
IC9201 C8 IO_L31P_0/VREF_0
MODEL SELECT
IC9201 D5 IO/VREF_0 MODEL0
IC9201 D3 IO_L19P_7 MODEL1
IC9201 C3 IO_L16P_7/VREF_7 MODEL2
R9228 0
R9226 0
R9224 0
IC9201
C1ZBZ0002917
SYNC SIGNAL CONTROL
LVDS RECEIVER
DISCHARGE VOLTAGE CONTROL
TTL S/P FPGA
CONTROL
IC9201 B3 PROG_B PROG_B
P_CE
IC9201 R14 DONE DONE
P_INT
IC9201 N9 IO_L31N_4/INIT_B INIT_B
P_DATA
IC9201 M11 IO_L27N_4/DIN/D0 DIN
P_CLK
IC9201 T15 CCLK CCLK
FPGA2.5V
IC9201 C4 HSWAP_EN HSWAP_EN
IC9201 P9 IO_L31P_4/DOUT/BUSY DOUTBUSY
R9229
10k
MICON
AAE_MCDATA_O
IC9201 J16 IO_L40N_3/VREF_3 MCDATA
AAE_MCCLK
IC9201 H16 IO_L40P_2/VREF_2 MCCLK
AAE_MCLD
IC9201 H15 IO_L40N_2 MCLD
LSI58
LATCH
R9237
47
IC9201 J13 IO_L39P_3 LATCH
SFVRST
IC9201 K14 IO_L24N_3 SFVRST
SFRST
IC9201 L14 IO_L22P_3 SFRST
FPDAT1
IC9201 K15 IO FPDATA1
FPDAT0
IC9201 L15 IO_L22N_3 FPDATA0
FPCLK
IC9201 K16 IO_L40P_3 FPCLK
R9238
EXB38V470JV
R9239
47
2.5V
R9284
0
R9283
4.7k
VOUT
VCC
SUB
GND
NC
3
2
1
4
5
C9241
16V
0.1u
IC9202
C0EBD0000038
3.3V
STB5V
Q9201
B1ABCF000138
R9288
10k
R9286
22k
C9234
50V
0.01u
R9287
10k
R9289
100
R9290
560
Q9202
B1ABCF000138
DRVRST
F
F

D-BOARD (9/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

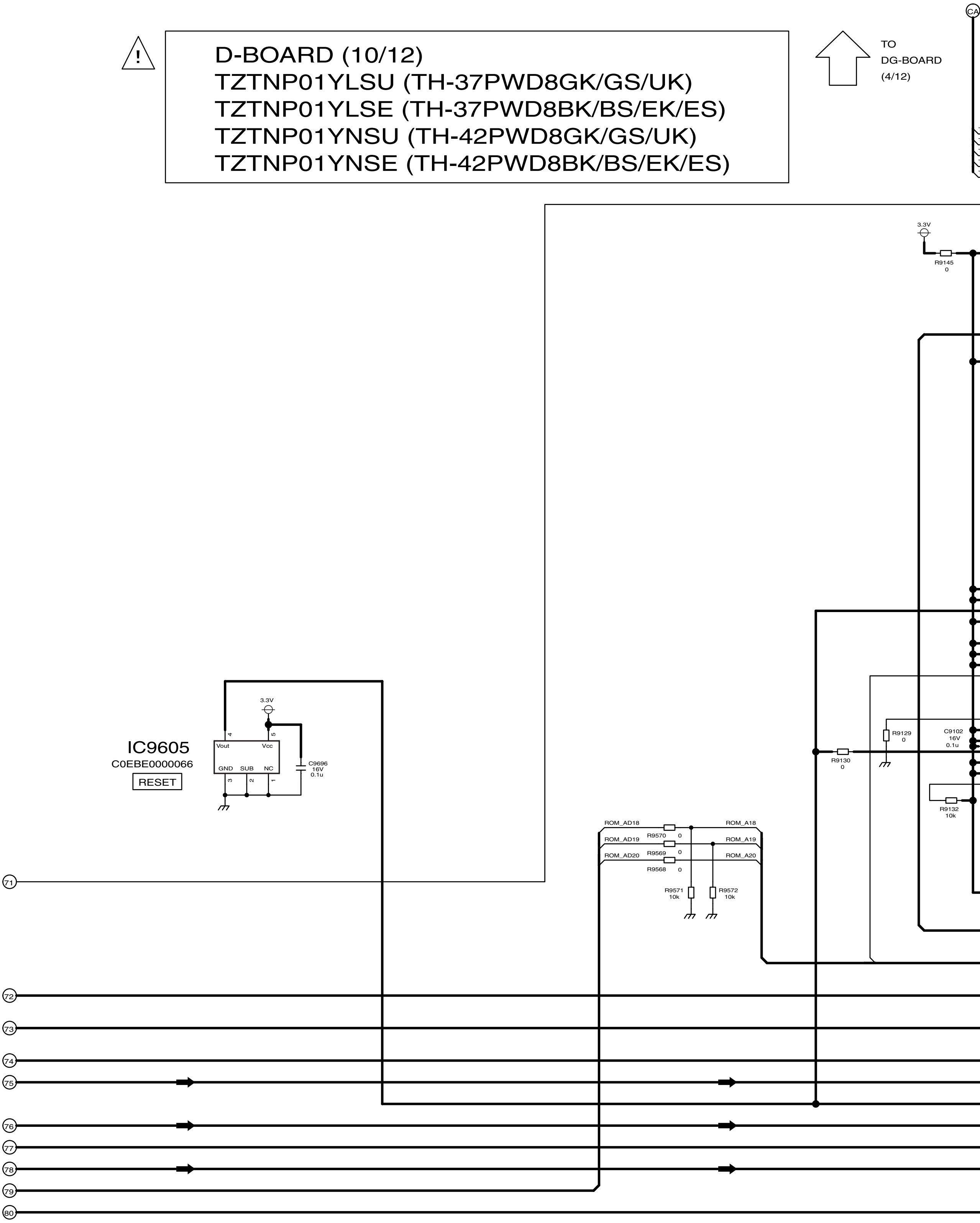

BE
BF
BG
OARD
RESET
DRVMUTE
DRVRST
NRST
R9260
0
R9261
0
IC9201 D16 IO_L17P_2/VREF_2 DRVMUTE
IC9201 C15 IO_L16N_2 DRVRST
IC9201 E10 IO_L30P_1 NRST
FREE_RUN CLK
IC9201 R9 IO_L32N_4/GCLK1 PRCKI
R9265
0
L
CONTROL
FLASH_CONTROL
ROM_AD18
ROM_AD19
ROM_AD20
IC9201 D12 IO/VREF_1 ROM57AD[0]
IC9201 D11 IO_L28N_1 ROM57AD[1]
IC9201 D10 IO_L30N_1 ROM57AD[2]
LATCH
SFVRST
SFRST
FPDATA1
FPDATA0
FPCLK
DRVRST
OUTPUT_SUB
R9277
EXB2HV470JV
SUB_R0
SUB_R1
SUB_R2
SUB_R3
SUB_R4
SUB_R5
SUB_R6
SUB_R7
IC9201 R1 IO_L01N_6/VRP_6 S_ROUT0
IC9201 P1 IO_L01P_6/VRN_6 S_ROUT1
IC9201 P2 IO_L16N_6 S_ROUT2
IC9201 N2 IO_L17N_6 S_ROUT3
IC9201 T3 IO_L01N_5/RDWR_B S_ROUT4
IC9201 R3 IO_L01P_5/CS_B S_ROUT5
IC9201 N3 IO_L16P_6 S_ROUT6
IC9201 M3 IO_L19P_6 S_ROUT7
R9278
EXB2HV470JV
SUB_G0
SUB_G1
SUB_G2
SUB_G3
SUB_G4
SUB_G5
SUB_G6
SUB_G7
IC9201 T4 IO_L10N_5/VRP_5 S_GOUT0
IC9201 R4 IO_L10P_5/VRN_5 S_GOUT1
IC9201 M4 IO_L19N_6 S_GOUT2
IC9201 L4 IO_L21P_6 S_GOUT3
IC9201 T5 IO S_GOUT4
IC9201 R5 IO_L27N_5/VREF_5 S_GOUT5
IC9201 P5 IO_L27P_5 S_GOUT6
IC9201 N5 IO S_GOUT7
R9279
EXB2HV470JV
SUB_B0
SUB_B1
SUB_B2
SUB_B3
SUB_B4
SUB_B5
SUB_B6
SUB_B7
IC9201 L5 IO_L21N_6 S_BOUT0
IC9201 K5 IO_L23N_6 S_BOUT1
IC9201 R6 IO_L29N_5 S_BOUT2
IC9201 P6 IO_L29P_5/VREF_5 S_BOUT3
IC9201 N6 IO_L28N_5/D6 S_BOUT4
IC9201 M6 IO_L28P_5/D7 S_BOUT5
IC9201 N7 IO_L30N_5 S_BOUT6
IC9201 M7 IO_L30P_5 S_BOUT7
VDO_S
HDO_S
DCK_S
R9280 0
R9281 0
R9282 22
IC9201 P7 IO VDOB
IC9201 R7 IO_L31P_5/D5 HDOB
IC9201 T7 IO_L31N_5/D4 DCKBO
71
72
73
74
75
76
77
78
79
80

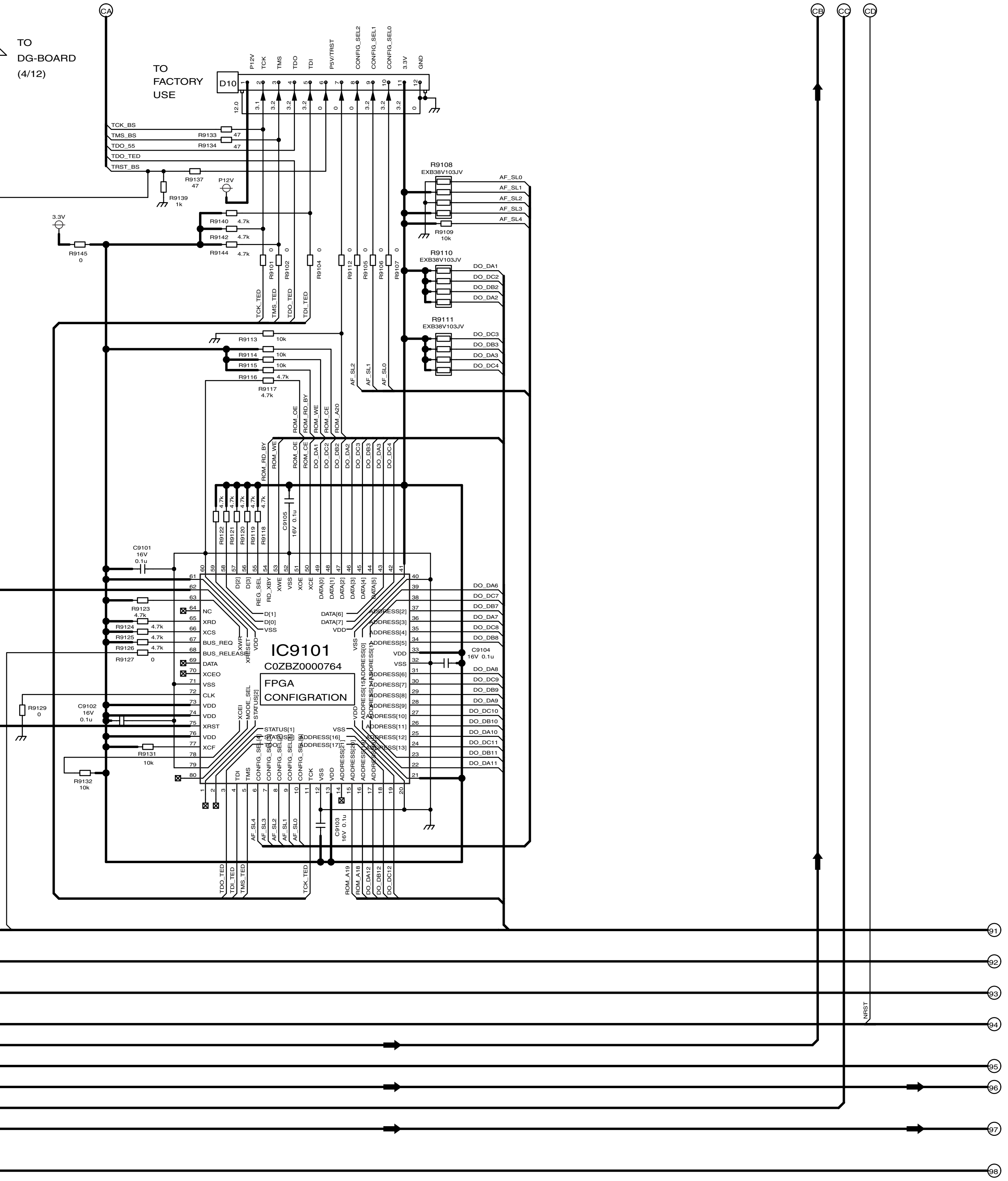
TH-37/42PWD8 SERIES
D-Board (9 of 12) Schematic Diagram

20 21 22 23

15.37. D-Board (10 of 12) Schematic Diagram

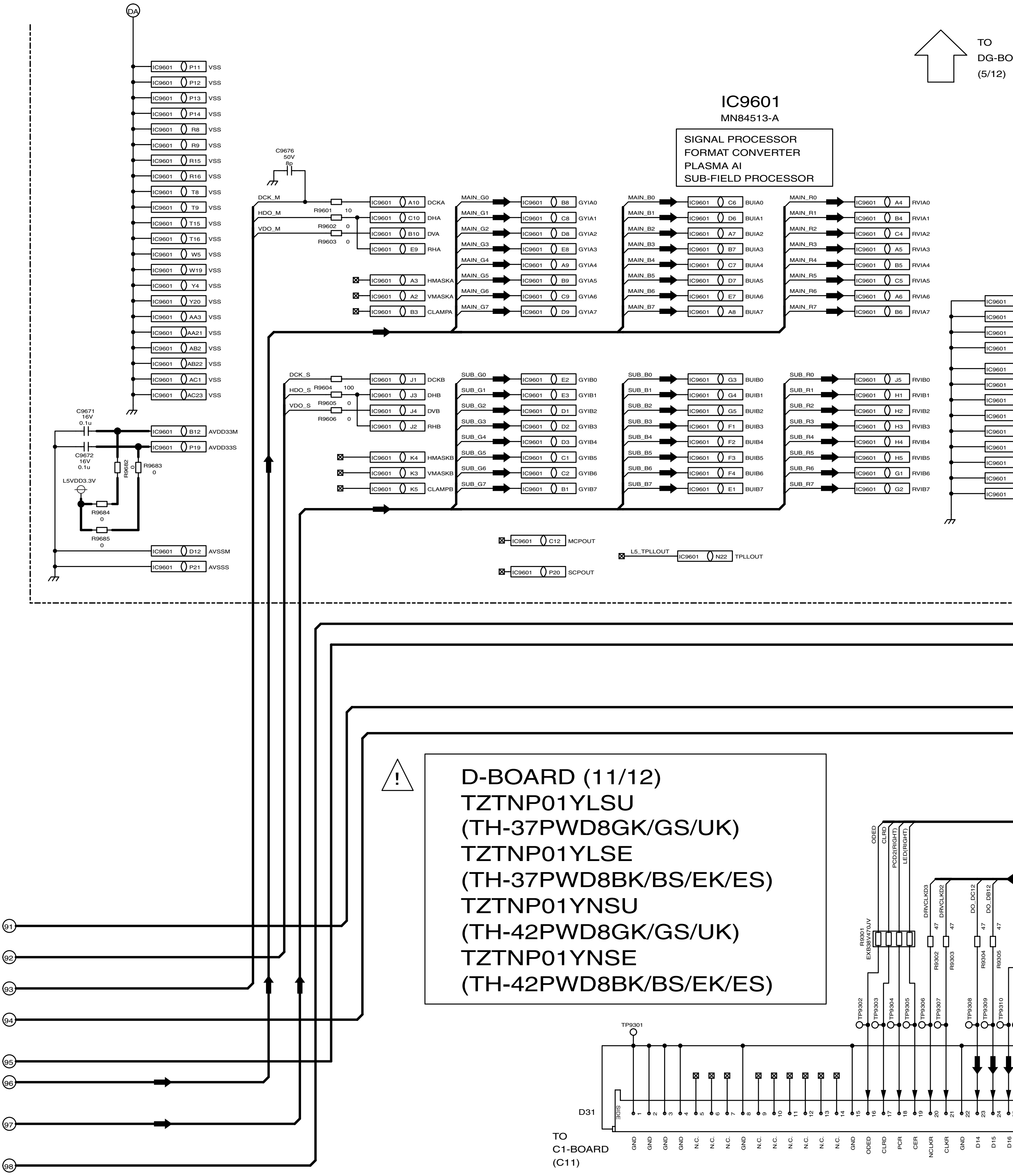
D-BOARD (10/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


!
TO
DG-BOARD
(4/12)
CA
3.3V
R9145
0
IC9605
C0EBE0000066
RESET
3.3V
Vout
Vcc
GND
SUB
NC
4
5
3
2
1
C9696
16V
0.1u
R9129
0
C9102
16V
0.1u
R9130
0
R9132
10k
ROM_AD18
ROM_AD19
ROM_AD20
R9570
0
R9569
0
R9568
0
ROM_A18
ROM_A19
ROM_A20
R9571
10k
R9572
10k
71
72
73
74
75
76
77
78
79
80


CA
CB
CC
CD
TO
DG-BOARD
(4/12)
TO
FACTORY
USE
D10
P12V
TCK
TMS
TDO
TDI
P5V/TRST
CONFIG_SEL2
CONFIG_SEL1
CONFIG_SEL0
3.3V
GND
TCK_BS
TMS_BS
TDO_55
TDO_TED
TRST_BS
R9133 47
R9134 47
R9137 47
R9139 1k
P12V
3.3V
R9140 4.7k
R9142 4.7k
R9144 4.7k
R9145 0
R9101 0
R9102 0
R9104 0
R9112 0
R9105 0
R9106 0
R9107 0
TCK_TED
TMS_TED
TDO_TED
TDI_TED
R9108
EXB38V103JV
AF_SL0
AF_SL1
AF_SL2
AF_SL3
AF_SL4
R9109 10k
R9110
EXB38V103JV
DO_DA1
DO_DC2
DO_DB2
DO_DA2
R9111
EXB38V103JV
DO_DC3
DO_DB3
DO_DA3
DO_DC4
R9113 10k
R9114 10k
R9115 10k
R9116 4.7k
R9117 4.7k
ROM_OE
ROM_RD_BY
ROM_WE
ROM_CE
ROM_A20
R9122 4.7k
R9121 4.7k
R9120 4.7k
R9119 4.7k
R9118 4.7k
C9105 16V 0.1u
C9101 16V 0.1u
R9123 4.7k
R9124 4.7k
R9125 4.7k
R9126 4.7k
R9127 0
R9129 0
C9102 16V 0.1u
R9131 10k
R9132 10k
IC9101
C0ZBZ0000764
FPGA
CONFIGRATION
C9104 16V 0.1u
C9103 16V 0.1u
DO_DA6
DO_DC7
DO_DB7
DO_DA7
DO_DC8
DO_DB8
DO_DA8
DO_DC9
DO_DB9
DO_DA9
DO_DC10
DO_DB10
DO_DA10
DO_DC11
DO_DB11
DO_DA11
TDO_TED
TDI_TED
TMS_TED
TCK_TED
ROM_A19
ROM_A18
DO_DA12
DO_DB12
DO_DC12
NRST
91
92
93
94
95
96
97
98

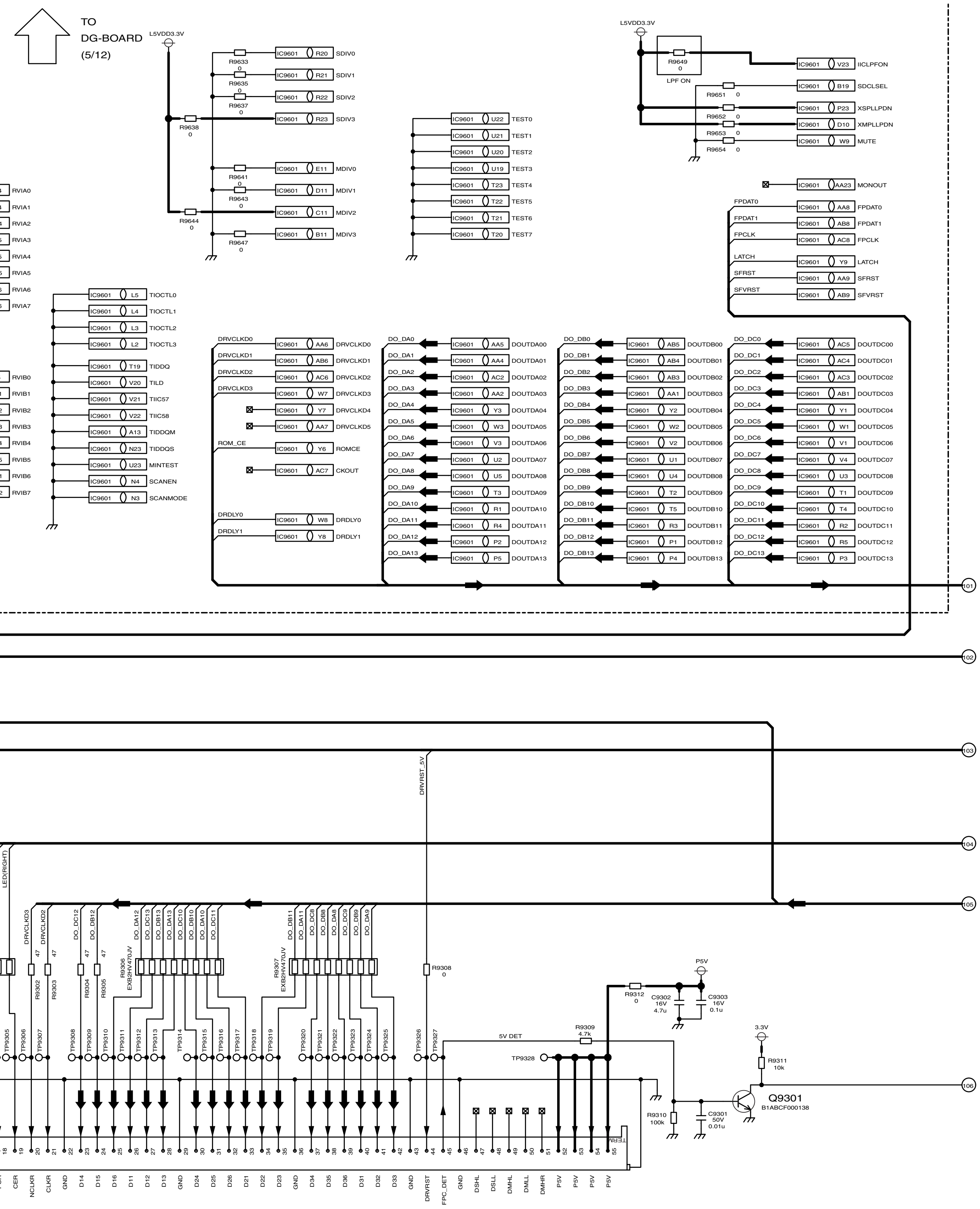
TH-37/42PWD8 SERIES
D-Board (10 of 12) Schematic Diagram

15.38. D-Board (11 of 12) Schematic Diagram


DA
IC9601
MN84513-A
SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
TO
DG-BO
(5/12)
C9676
50V
8p
DCK_M
HDO_M
VDO_M
R9601 10
R9602 0
R9603 0
DCKA
DHA
DVA
RHA
HMASKA
VMASKA
CLAMPA
MAIN_G0
MAIN_G1
MAIN_G2
MAIN_G3
MAIN_G4
MAIN_G5
MAIN_G6
MAIN_G7
GYIA0
GYIA1
GYIA2
GYIA3
GYIA4
GYIA5
GYIA6
GYIA7
MAIN_B0
MAIN_B1
MAIN_B2
MAIN_B3
MAIN_B4
MAIN_B5
MAIN_B6
MAIN_B7
BUIA0
BUIA1
BUIA2
BUIA3
BUIA4
BUIA5
BUIA6
BUIA7
MAIN_R0
MAIN_R1
MAIN_R2
MAIN_R3
MAIN_R4
MAIN_R5
MAIN_R6
MAIN_R7
RVIA0
RVIA1
RVIA2
RVIA3
RVIA4
RVIA5
RVIA6
RVIA7
DCK_S
HDO_S
VDO_S
R9604 100
R9605 0
R9606 0
DCKB
DHB
DVB
RHB
HMASKB
VMASKB
CLAMPB
SUB_G0
SUB_G1
SUB_G2
SUB_G3
SUB_G4
SUB_G5
SUB_G6
SUB_G7
GYIB0
GYIB1
GYIB2
GYIB3
GYIB4
GYIB5
GYIB6
GYIB7
SUB_B0
SUB_B1
SUB_B2
SUB_B3
SUB_B4
SUB_B5
SUB_B6
SUB_B7
BUIB0
BUIB1
BUIB2
BUIB3
BUIB4
BUIB5
BUIB6
BUIB7
SUB_R0
SUB_R1
SUB_R2
SUB_R3
SUB_R4
SUB_R5
SUB_R6
SUB_R7
RVIB0
RVIB1
RVIB2
RVIB3
RVIB4
RVIB5
RVIB6
RVIB7
VSS
C9671
16V
0.1u
C9672
16V
0.1u
AVDD33M
AVDD33S
R9682 0
R9683 0
L5VDD3.3V
R9684 0
R9685 0
AVSSM
AVSSS
MCPOUT
SCPOUT
L5_TPLLOUT
TPLLOUT
D-BOARD (11/12)
TZTNP01YLSU
(TH-37PWD8GK/GS/UK)
TZTNP01YLSE
(TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU
(TH-42PWD8GK/GS/UK)
TZTNP01YNSE
(TH-42PWD8BK/BS/EK/ES)
ODED
CLRD
PCD2(RIGHT)
LED(RIGHT)
DRVCLKD3
DRVCLKD2
DO_DC12
DO_DB12
R9301
EXB38V470JV
R9302 47
R9303 47
R9304 47
R9305 47
TP9301
TP9302
TP9303
TP9304
TP9305
TP9306
TP9307
TP9308
TP9309
TP9310
D31
TO
C1-BOARD
(C11)
SIDE
GND
N.C.
ODED
CLRD
PCR
CER
NCLKR
CLKR
D14
D15
D16
91
92
93
94
95
96
97
98

TH-37/42PWD8 SERIES
D-Board (11 of 12) Schematic Diagram

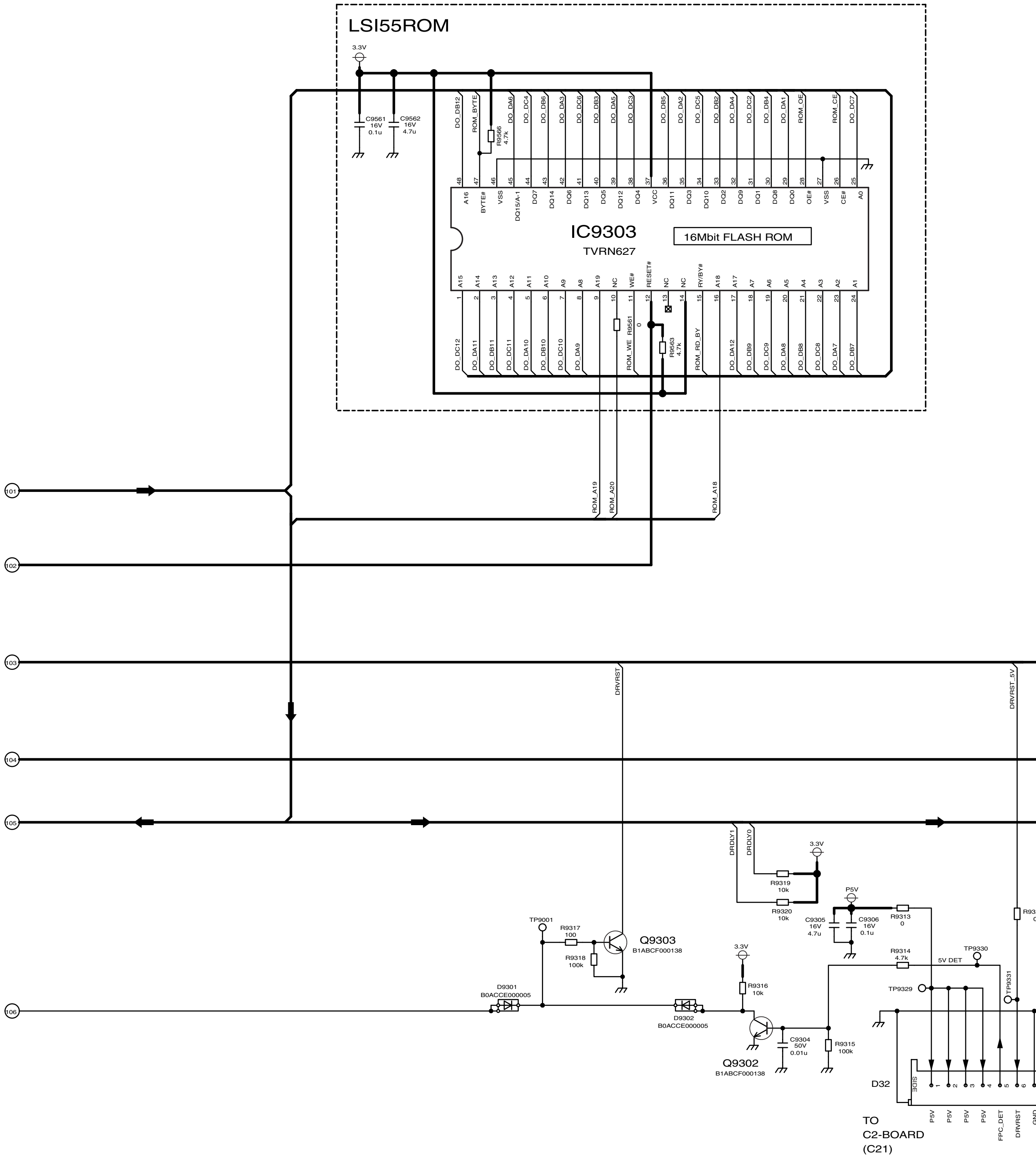
31 32 33 34


TO
DG-BOARD
(5/12)
L5VDD3.3V
R9633 0
R9635 0
R9637 0
R9638 0
R9641 0
R9643 0
R9644 0
R9647 0
IC9601 R20 SDIV0
IC9601 R21 SDIV1
IC9601 R22 SDIV2
IC9601 R23 SDIV3
IC9601 E11 MDIV0
IC9601 D11 MDIV1
IC9601 C11 MDIV2
IC9601 B11 MDIV3
IC9601 U22 TEST0
IC9601 U21 TEST1
IC9601 U20 TEST2
IC9601 U19 TEST3
IC9601 T23 TEST4
IC9601 T22 TEST5
IC9601 T21 TEST6
IC9601 T20 TEST7
R9649 0
LPF ON
R9651 0
R9652 0
R9653 0
R9654 0
IC9601 V23 IICLPFON
IC9601 B19 SDCLSEL
IC9601 P23 XSPLLPDN
IC9601 D10 XMPLLPDN
IC9601 W9 MUTE
IC9601 AA23 MONOUT
FPDAT0
FPDAT1
FPCLK
LATCH
SFRST
SFVRST
IC9601 AA8 FPDAT0
IC9601 AB8 FPDAT1
IC9601 AC8 FPCLK
IC9601 Y9 LATCH
IC9601 AA9 SFRST
IC9601 AB9 SFVRST
RVIA0
RVIA1
RVIA2
RVIA3
RVIA4
RVIA5
RVIA6
RVIA7
RVIB0
RVIB1
RVIB2
RVIB3
RVIB4
RVIB5
RVIB6
RVIB7
IC9601 L5 TIOCTL0
IC9601 L4 TIOCTL1
IC9601 L3 TIOCTL2
IC9601 L2 TIOCTL3
IC9601 T19 TIDDQ
IC9601 V20 TILD
IC9601 V21 TIIC57
IC9601 V22 TIIC58
IC9601 A13 TIDDQM
IC9601 N23 TIDDQS
IC9601 U23 MINTEST
IC9601 N4 SCANEN
IC9601 N3 SCANMODE
DRVCLKD0
DRVCLKD1
DRVCLKD2
DRVCLKD3
IC9601 AA6 DRVCLKD0
IC9601 AB6 DRVCLKD1
IC9601 AC6 DRVCLKD2
IC9601 W7 DRVCLKD3
IC9601 Y7 DRVCLKD4
IC9601 AA7 DRVCLKD5
ROM_CE
IC9601 Y6 ROMCE
IC9601 AC7 CKOUT
DRDLY0
DRDLY1
IC9601 W8 DRDLY0
IC9601 Y8 DRDLY1
DO_DA0 IC9601 AA5 DOUTDA00
DO_DA1 IC9601 AA4 DOUTDA01
DO_DA2 IC9601 AC2 DOUTDA02
DO_DA3 IC9601 AA2 DOUTDA03
DO_DA4 IC9601 Y3 DOUTDA04
DO_DA5 IC9601 W3 DOUTDA05
DO_DA6 IC9601 V3 DOUTDA06
DO_DA7 IC9601 U2 DOUTDA07
DO_DA8 IC9601 U5 DOUTDA08
DO_DA9 IC9601 T3 DOUTDA09
DO_DA10 IC9601 R1 DOUTDA10
DO_DA11 IC9601 R4 DOUTDA11
DO_DA12 IC9601 P2 DOUTDA12
DO_DA13 IC9601 P5 DOUTDA13
DO_DB0 IC9601 AB5 DOUTDB00
DO_DB1 IC9601 AB4 DOUTDB01
DO_DB2 IC9601 AB3 DOUTDB02
DO_DB3 IC9601 AA1 DOUTDB03
DO_DB4 IC9601 Y2 DOUTDB04
DO_DB5 IC9601 W2 DOUTDB05
DO_DB6 IC9601 V2 DOUTDB06
DO_DB7 IC9601 U1 DOUTDB07
DO_DB8 IC9601 U4 DOUTDB08
DO_DB9 IC9601 T2 DOUTDB09
DO_DB10 IC9601 T5 DOUTDB10
DO_DB11 IC9601 R3 DOUTDB11
DO_DB12 IC9601 P1 DOUTDB12
DO_DB13 IC9601 P4 DOUTDB13
DO_DC0 IC9601 AC5 DOUTDC00
DO_DC1 IC9601 AC4 DOUTDC01
DO_DC2 IC9601 AC3 DOUTDC02
DO_DC3 IC9601 AB1 DOUTDC03
DO_DC4 IC9601 Y1 DOUTDC04
DO_DC5 IC9601 W1 DOUTDC05
DO_DC6 IC9601 V1 DOUTDC06
DO_DC7 IC9601 V4 DOUTDC07
DO_DC8 IC9601 U3 DOUTDC08
DO_DC9 IC9601 T1 DOUTDC09
DO_DC10 IC9601 T4 DOUTDC10
DO_DC11 IC9601 R2 DOUTDC11
DO_DC12 IC9601 R5 DOUTDC12
DO_DC13 IC9601 P3 DOUTDC13
101
102
103
104
105
106
DRVRST_5V
LED(RIGHT)
DRVCLKD3
DRVCLKD2
47
R9302
R9303
DO_DC12
DO_DB12
R9304
R9305
R9306
EXB2HV470JV
DO_DA12
DO_DC13
DO_DB13
DO_DA13
DO_DC10
DO_DB10
DO_DA10
DO_DC11
R9307
EXB2HV470JV
DO_DB11
DO_DA11
DO_DC8
DO_DB8
DO_DA8
DO_DC9
DO_DB9
DO_DA9
R9308 0
P5V
R9312 0
C9302 16V 4.7u
C9303 16V 0.1u
5V DET
R9309 4.7k
TP9328
3.3V
R9311 10k
Q9301
B1ABCF000138
R9310 100k
C9301 50V 0.01u
TP9305
TP9306
TP9307
TP9308
TP9309
TP9310
TP9311
TP9312
TP9313
TP9314
TP9315
TP9316
TP9317
TP9318
TP9319
TP9320
TP9321
TP9322
TP9323
TP9324
TP9325
TP9326
TP9327
TERM
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55
CER
NCLKR
CLKR
GND
D14
D15
D16
D11
D12
D13
GND
D24
D25
D26
D21
D22
D23
GND
D34
D35
D36
D31
D32
D33
GND
DRVRST
FPC_DET
GND
DSHL
DSLL
DMHL
DMLL
DMHR
P5V
P5V
P5V
P5V

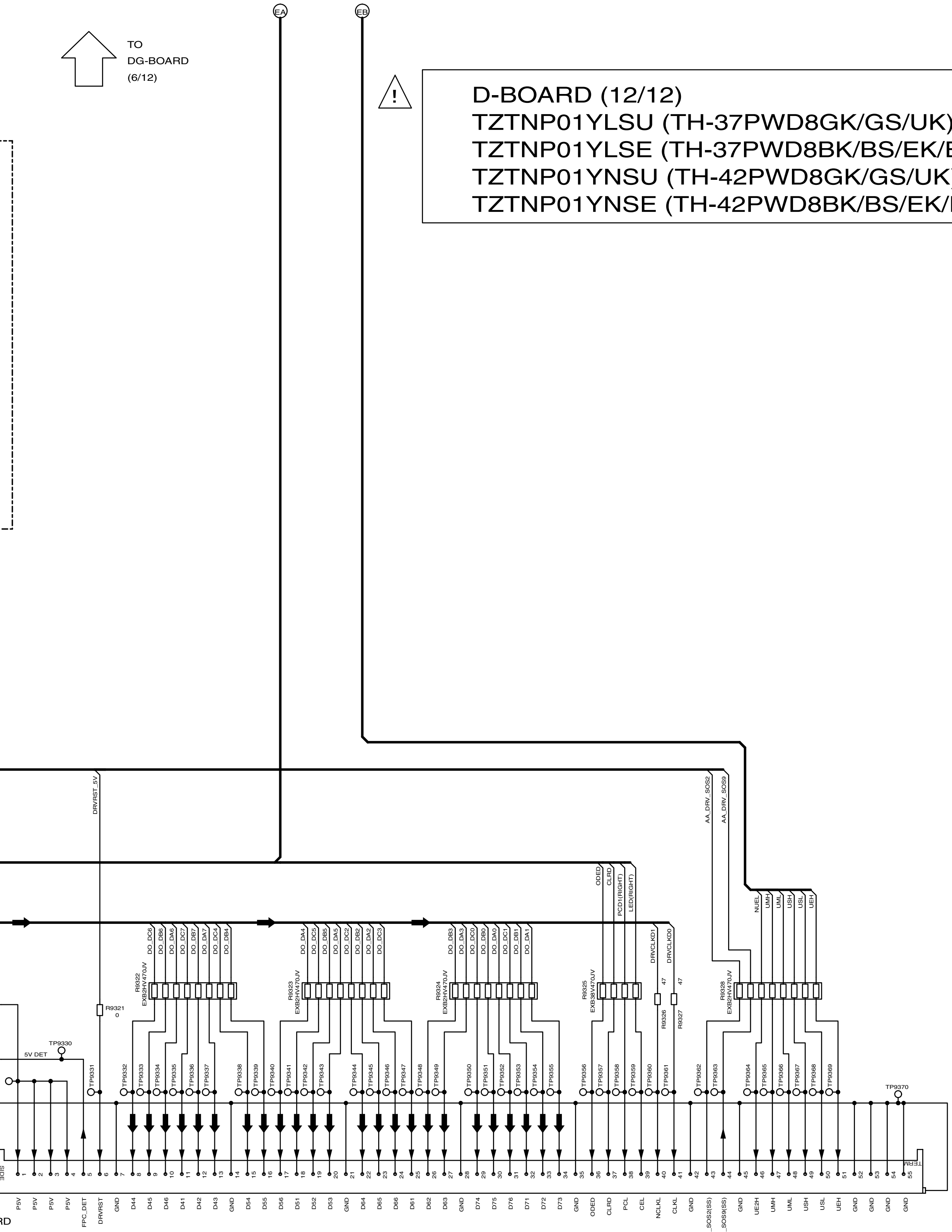
TH-37/42PWD8 SERIES
D-Board (11 of 12) Schematic Diagram

35 36 37 38

15.39. D-Board (12 of 12) Schematic Diagram

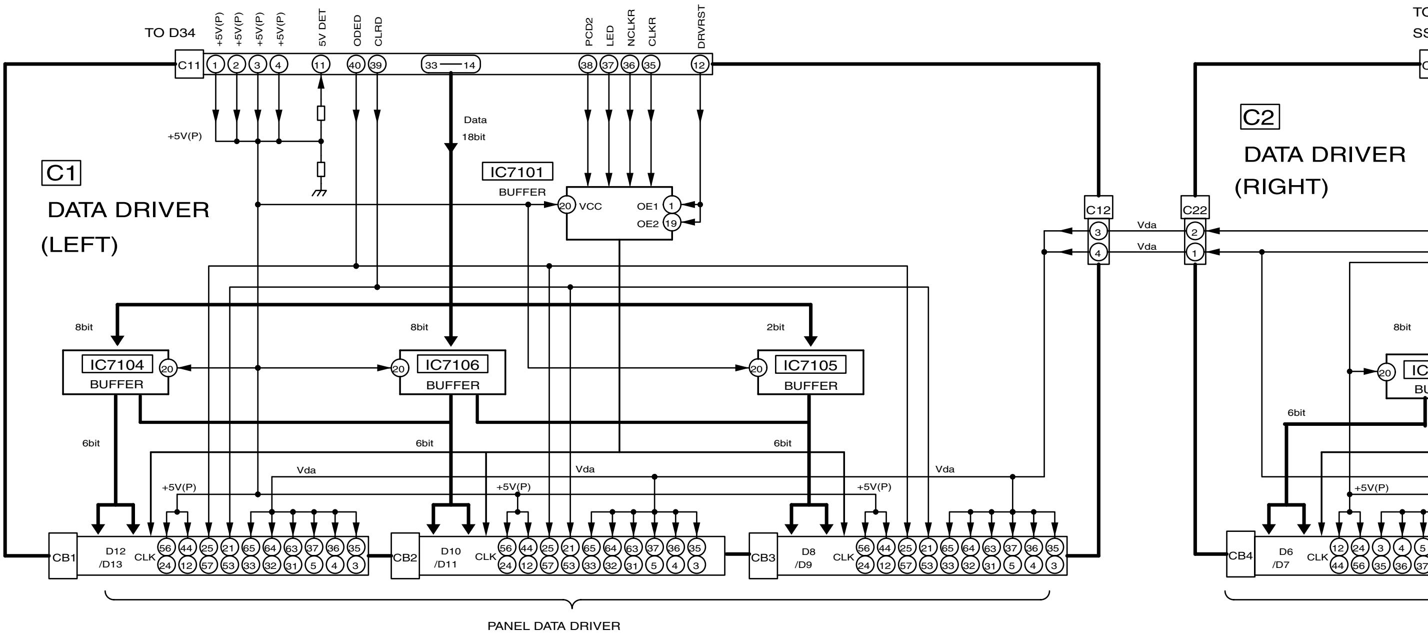

LSI55ROM
3.3V
C9561 16V 0.1u
C9562 16V 4.7u
R9566 4.7k
DO_DB12
ROM_BYTE
DO_DA6
DO_DC4
DO_DB6
DO_DA3
DO_DC6
DO_DB3
DO_DA5
DO_DC3
DO_DB5
DO_DA2
DO_DC5
DO_DB2
DO_DA4
DO_DC2
DO_DB4
DO_DA1
ROM_OE
ROM_CE
DO_DC7
A16
BYTE#
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
VSS
CE#
A0
IC9303
TVRN627
16Mbit FLASH ROM
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC
WE#
RESET#
NC
NC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
DO_DC12
DO_DA11
DO_DB11
DO_DC11
DO_DA10
DO_DB10
DO_DC10
DO_DA9
ROM_WE
R9561 0
R9563 4.7k
ROM_RD_BY
DO_DA12
DO_DB9
DO_DC9
DO_DA8
DO_DB8
DO_DC8
DO_DA7
DO_DB7
ROM_A19
ROM_A20
ROM_A18
101
102
103
104
105
106
DRVRST
DRVRST_5V
DRDLY1
DRDLY0
3.3V
R9319 10k
R9320 10k
P5V
C9305 16V 4.7u
C9306 16V 0.1u
R9313 0
TP9001
R9317 100
R9318 100k
Q9303
B1ABCF000138
D9301
B0ACCE000005
D9302
B0ACCE000005
3.3V
R9316 10k
Q9302
B1ABCF000138
C9304 50V 0.01u
R9315 100k
R9314 4.7k
5V DET
TP9330
TP9329
TP9331
D32
SIDE
TO
C2-BOARD
(C21)
P5V
P5V
P5V
P5V
FPC_DET
DRVRST

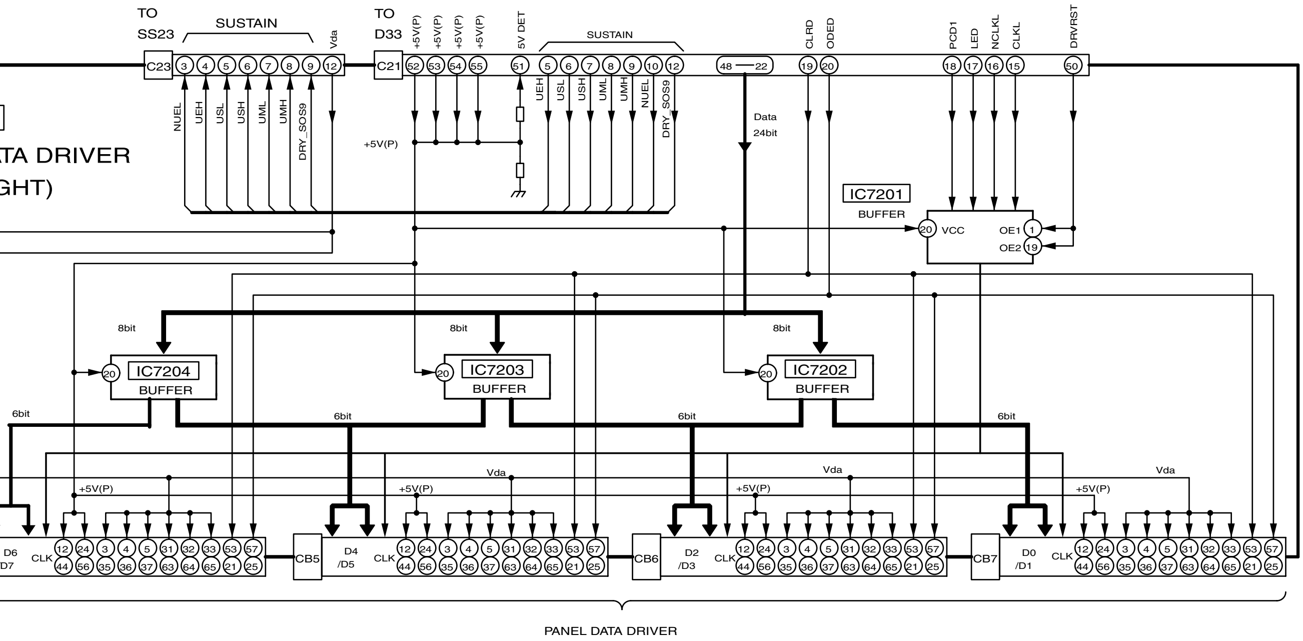
D-BOARD (12/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


EA
EB
TO
DG-BOARD
(6/12)
DRVRST_5V
AA_DRV_SOS2
AA_DRV_SOS9
ODED
CLRD
PCD1(RIGHT)
LED(RIGHT)
NUEL
UMH
UML
USH
USL
UEH
DO_DC6
DO_DB6
DO_DA6
DO_DC7
DO_DB7
DO_DA7
DO_DC4
DO_DB4
DO_DA4
DO_DC5
DO_DB5
DO_DA5
DO_DC2
DO_DB2
DO_DA2
DO_DC3
DO_DB3
DO_DA3
DO_DC0
DO_DB0
DO_DA0
DO_DC1
DO_DB1
DO_DA1
DRVCLKD1
DRVCLKD0
R9322
EXB2HV470JV
R9323
EXB2HV470JV
R9324
EXB2HV470JV
R9325
EXB38V470JV
R9326
47
R9327
47
R9328
EXB2HV470JV
R9321
0
TP9330
5V DET
TP9331
TP9332
TP9333
TP9334
TP9335
TP9336
TP9337
TP9338
TP9339
TP9340
TP9341
TP9342
TP9343
TP9344
TP9345
TP9346
TP9347
TP9348
TP9349
TP9350
TP9351
TP9352
TP9353
TP9354
TP9355
TP9356
TP9357
TP9358
TP9359
TP9360
TP9361
TP9362
TP9363
TP9364
TP9365
TP9366
TP9367
TP9368
TP9369
TP9370
SIDE
TERM
RD
P5V
P5V
P5V
P5V
FPC_DET
DRVRST
GND
D44
D45
D46
D41
D42
D43
GND
D54
D55
D56
D51
D52
D53
GND
D64
D65
D66
D61
D62
D63
GND
D74
D75
D76
D71
D72
D73
GND
ODED
CLRD
PCL
CEL
NCLKL
CLKL
GND
DRV_SOS2(SS)
DRV_SOS9(SS)
GND
UE2H
UMH
UML
USH
USL
UEH
GND
GND
GND
GND

TH-37/42PWD8 SERIES
D-Board (12 of 12) Schematic Diagram

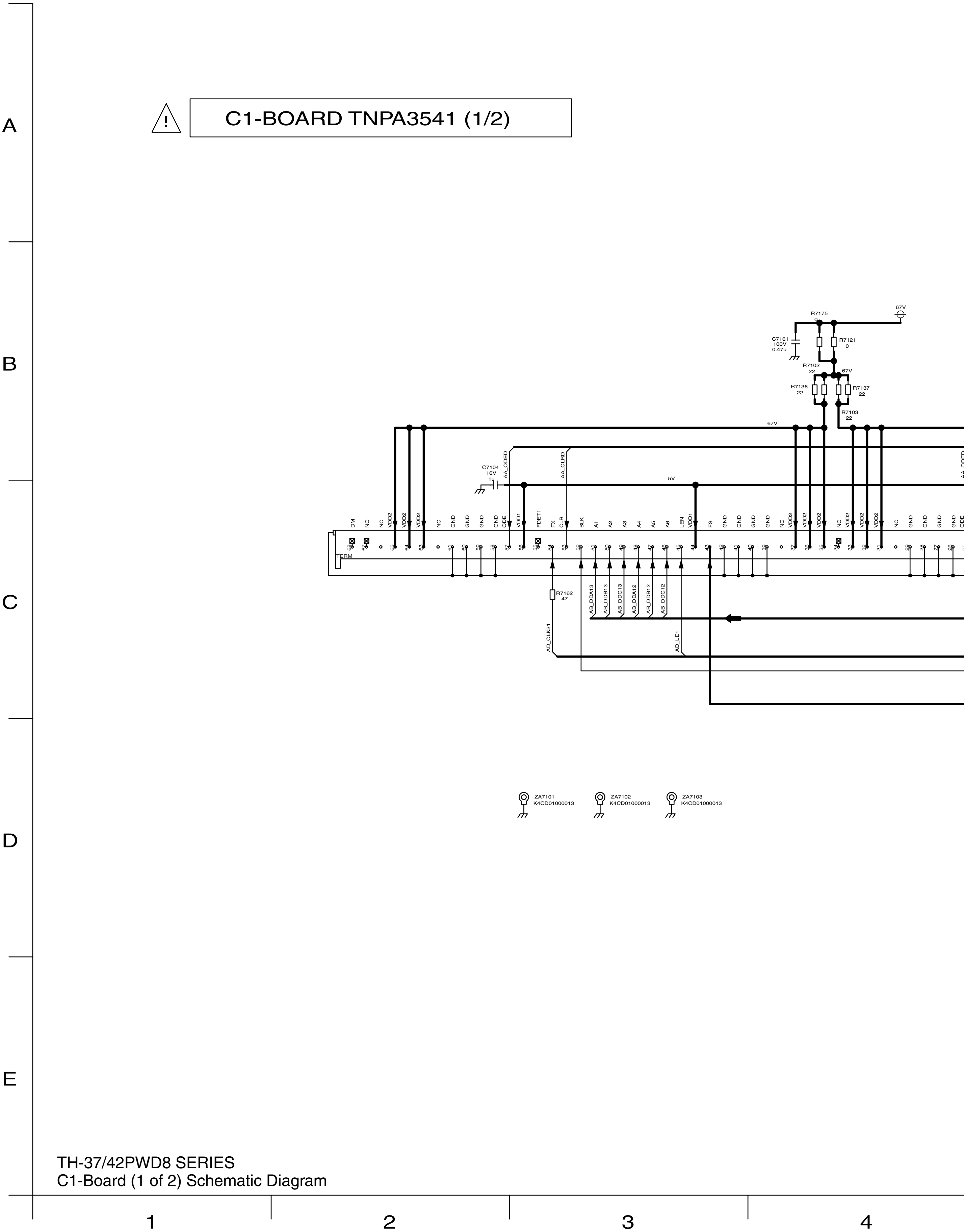
15.40. C1 and C2-Board Block Diagram


TO D34
C11
+5V(P)
5V DET
ODED
CLRD
PCD2
LED
NCLKR
CLKR
DRVRST
Data
18bit
C1
DATA DRIVER
(LEFT)
IC7101
BUFFER
VCC
OE1
OE2
IC7104
BUFFER
IC7106
BUFFER
IC7105
BUFFER
8bit
2bit
6bit
Vda
C12
C22
TO
SS
C2
DATA DRIVER
(RIGHT)
IC
BU
CB1
D12
/D13
CLK
CB2
D10
/D11
CB3
D8
/D9
CB4
D6
/D7
PANEL DATA DRIVER

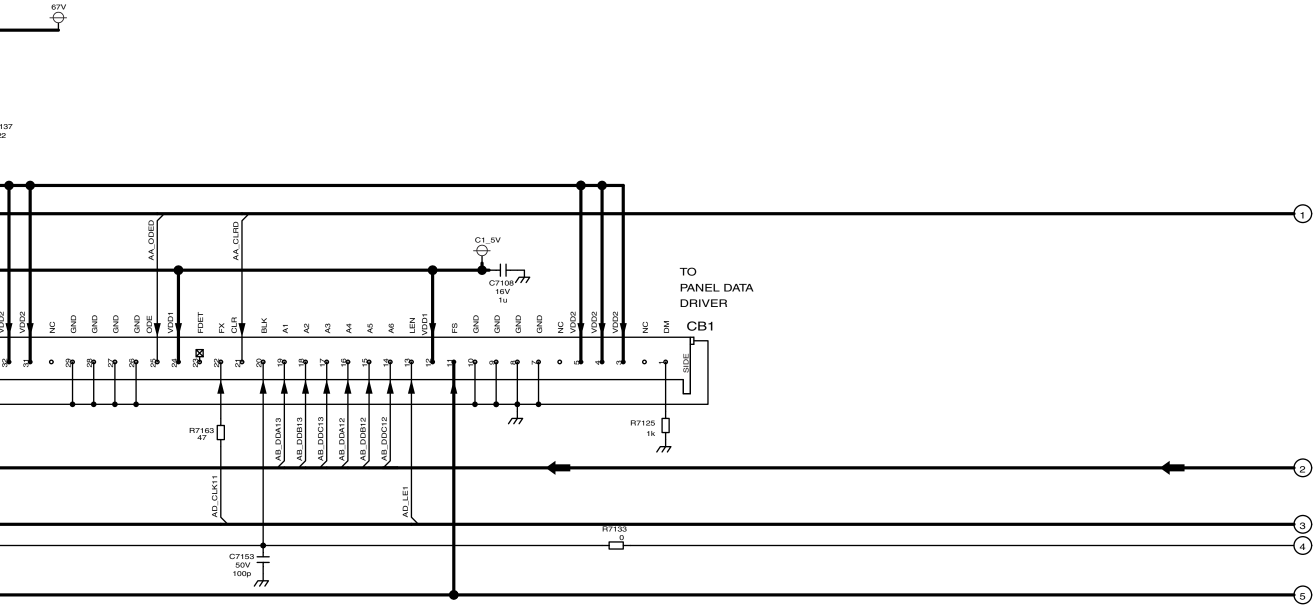

TO
SS23
SUSTAIN
Vda
C23
NUEL
UEH
USL
USH
UML
UMH
DRY_SOS9
ATA DRIVER
GHT)
TO
D33
C21
+5V(P)
5V DET
SUSTAIN
UEH
USL
USH
UML
UMH
NUEL
DRY_SOS9
Data
24bit
CLRD
ODED
PCD1
LED
NCLKL
CLKL
DRVRST
IC7201
BUFFER
VCC
OE1
OE2
8bit
IC7204
BUFFER
IC7203
BUFFER
IC7202
BUFFER
6bit
Vda
+5V(P)
D6
/D7
CLK
CB5
D4
/D5
CB6
D2
/D3
CB7
D0
/D1
PANEL DATA DRIVER

TH-37/42PWD8 SERIES
C1 and C2-Board Block Diagram

15.41. C1-Board (1 of 2) Schematic Diagram (37 inch)


A
B
C
D
E
1
2
3
4
C1-BOARD TNPA3541 (1/2)
R7175
0
67V
C7161
100V
0.47u
R7121
0
R7102
22
67V
R7136
22
R7137
22
R7103
22
67V
AA_ODED
AA_CLRD
C7104
16V
1u
5V
AA_ODED
DM
NC
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
68
67
65
64
63
61
60
59
58
57
56
55
54
53
52
51
50
49
48
47
46
45
44
43
42
41
40
39
37
36
35
34
33
32
31
29
28
27
26
TERM
R7162
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK21
AD_LE1
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013

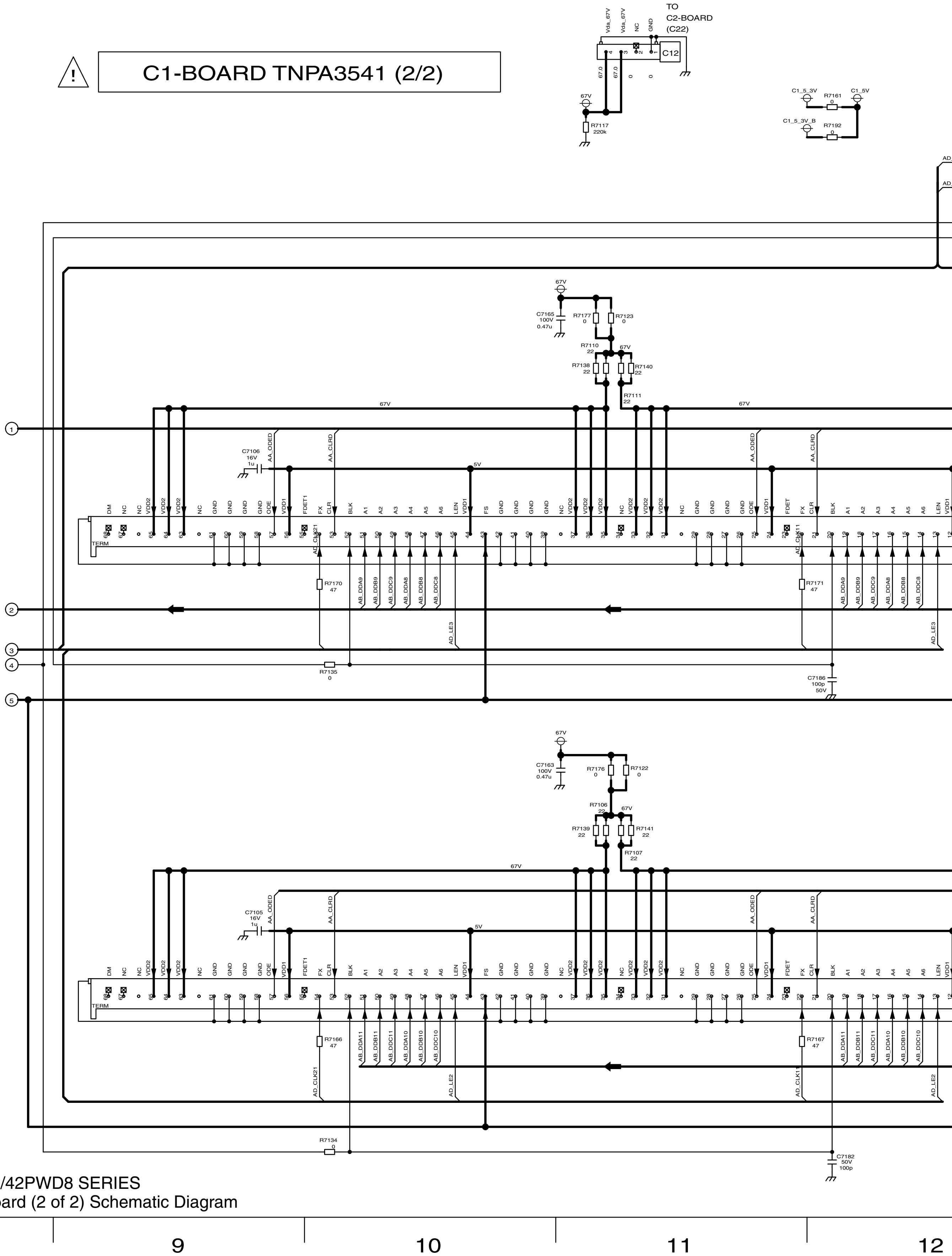
TH-37/42PWD8 SERIES
C1-Board (1 of 2) Schematic Diagram


67V
137
22
AA_ODED
AA_CLRD
C1_5V
C7108
16V
1u
TO
PANEL DATA
DRIVER
CB1
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
DM
SIDE
R7163
47
R7125
1k
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK11
AD_LE1
R7133
0
C7153
50V
100p
1
2
3
4
5

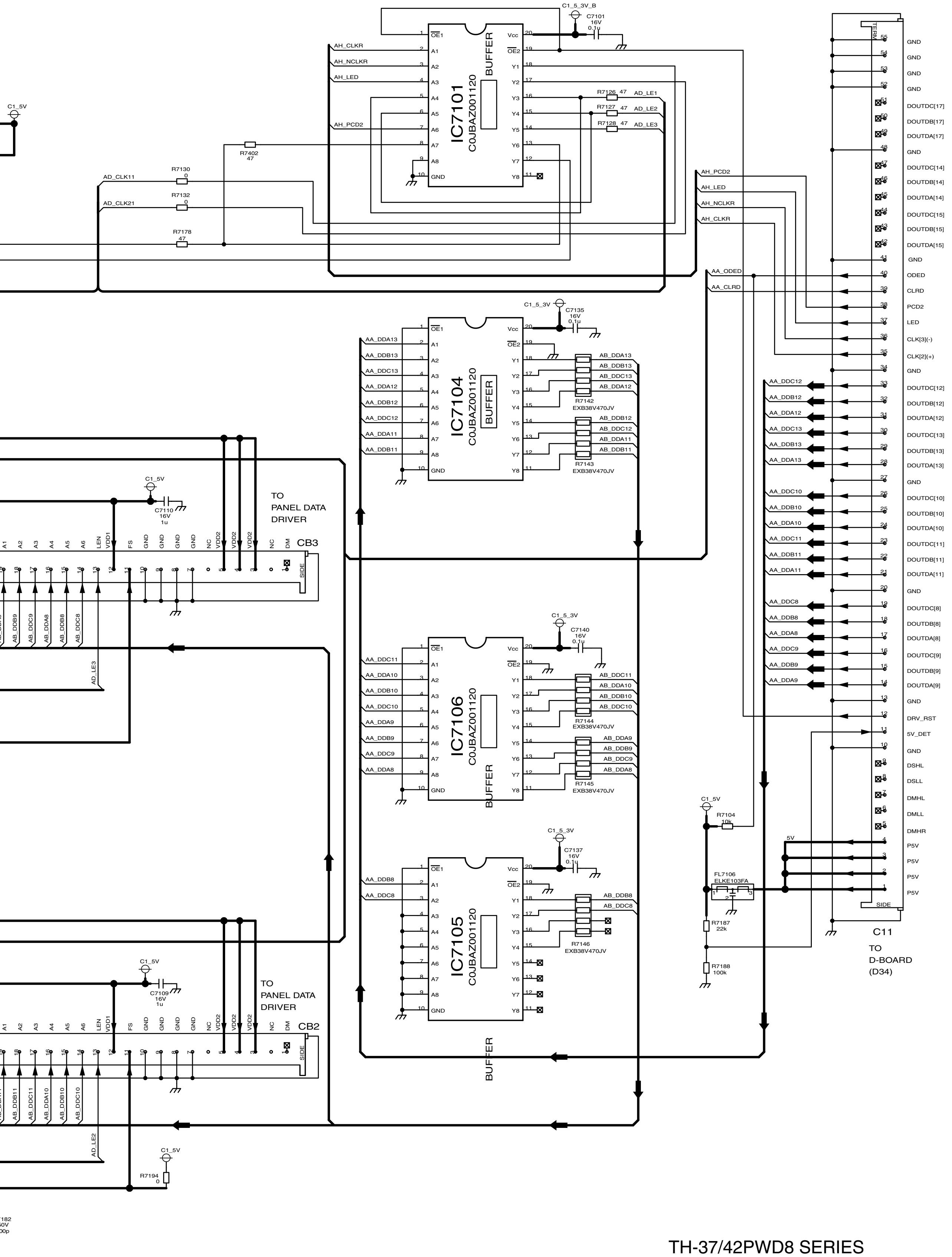
TH-37/42PWD8 SERIES
C1-Board (1 of 2) Schematic Diagram

4 5 6 7 8

15.42. C1-Board (2 of 2) Schematic Diagram (37 inch)


C1-BOARD TNPA3541 (2/2)
TO
C2-BOARD
(C22)
C12
R7117
220k
67V
C1_5_3V
C1_5V
R7161
R7192
C1_5_3V_B
C7165
100V
0.47u
R7177
R7123
R7110
R7138
R7140
R7111
C7106
16V
1u
5V
AA_ODED
AA_CLRD
TERM
R7170
47
R7171
R7135
C7186
100p
50V
AD_LE3
AB_DDA9
AB_DDB9
AB_DDC9
AB_DDA8
AB_DDB8
AB_DDC8
C7163
R7176
R7122
R7106
R7139
R7141
R7107
C7105
R7166
R7167
AD_CLK21
AD_CLK11
AD_LE2
AB_DDA11
AB_DDB11
AB_DDC11
AB_DDA10
AB_DDB10
AB_DDC10
R7134
C7182
50V
100p
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
1
2
3
4
5

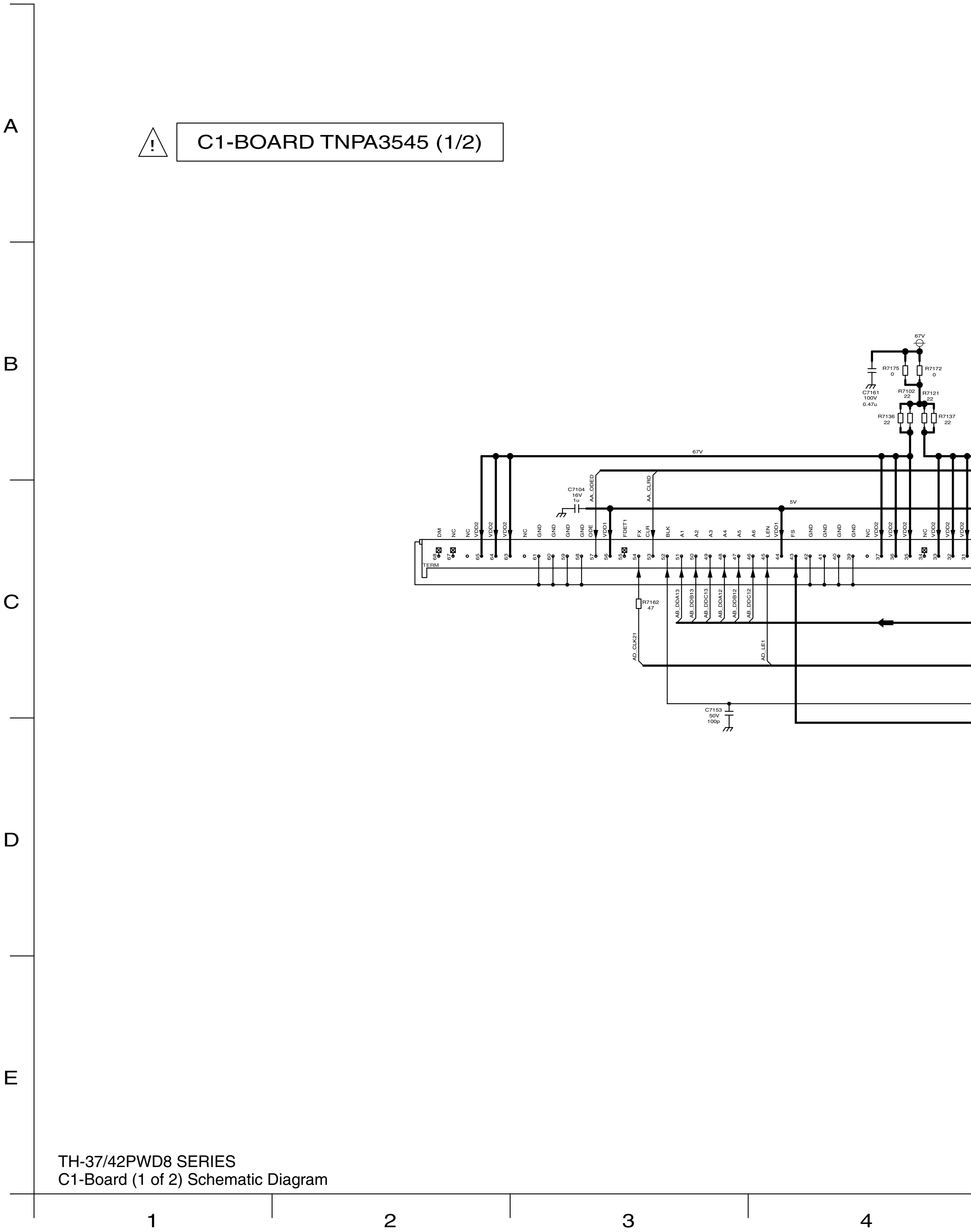
TH-37/42PWD8 SERIES
C1-Board (2 of 2) Schematic Diagram


IC7101
C0JBAZ001120
BUFFER
IC7104
C0JBAZ001120
BUFFER
IC7106
C0JBAZ001120
BUFFER
IC7105
C0JBAZ001120
BUFFER
C1_5_3V_B
C7101
16V
0.1u
C1_5_3V
C7135
C7140
C7137
AH_CLKR
AH_NCLKR
AH_LED
AH_PCD2
AD_CLK11
AD_CLK21
R7130
R7132
R7178
R7402
R7126
R7127
R7128
AD_LE1
AD_LE2
AD_LE3
AA_ODED
AA_CLRD
R7142
R7143
R7144
R7145
R7146
EXB38V470JV
C1_5V
C7110
C7109
16V
1u
TO
PANEL DATA
DRIVER
CB3
CB2
AD_LE3
AD_LE2
R7194
R7104
10k
FL7106
ELKE103FA
R7187
22k
R7188
100k
5V
C11
TO
D-BOARD
(D34)
TERM
SIDE
GND
DOUTDC[17]
DOUTDB[17]
DOUTDA[17]
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED
CLRD
PCD2
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
DRV_RST
5V_DET
DSHL
DSLL
DMHL
DMLL
DMHR
P5V

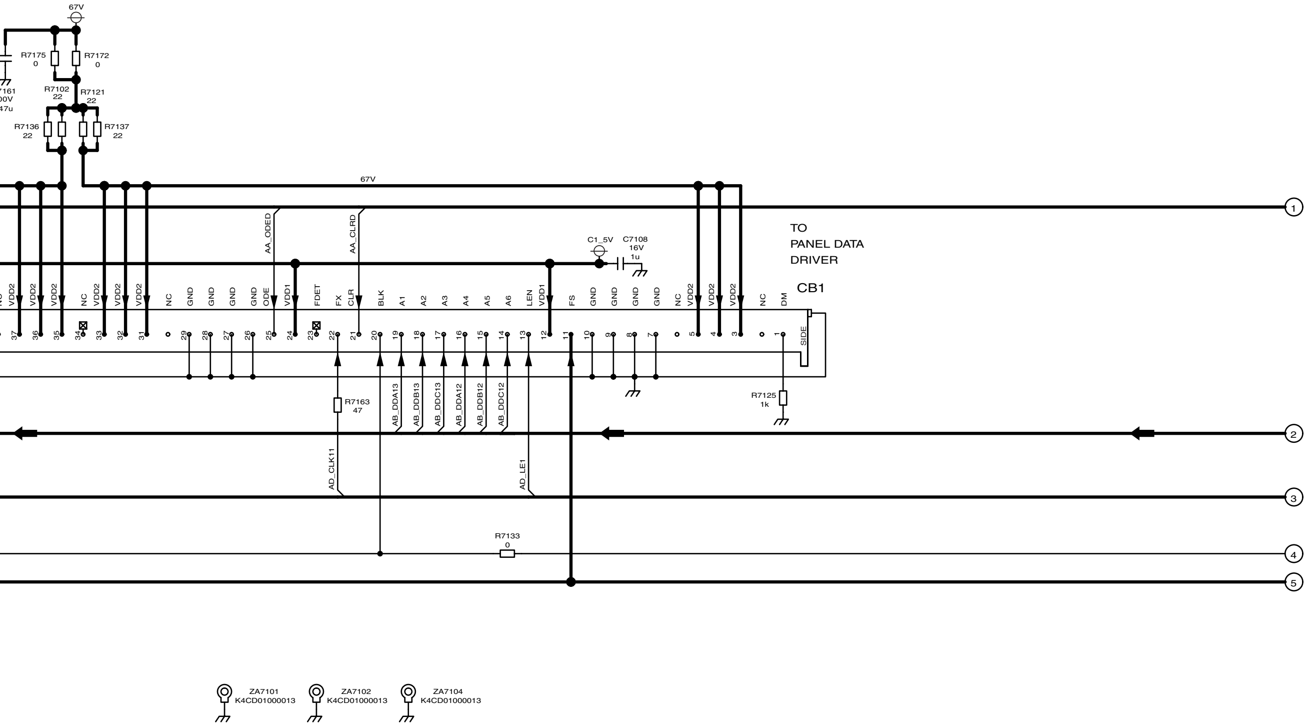
TH-37/42PWD8 SERIES
C1-Board (2 of 2) Schematic Diagram

12 13 14 15

15.43. C1-Board (1 of 2) Schematic Diagram (42 inch)


A
B
C
D
E
1
2
3
4
C1-BOARD TNPA3545 (1/2)
67V
R7175
0
R7172
0
C7161
100V
0.47u
R7102
22
R7121
22
R7136
22
R7137
22
67V
5V
C7104
16V
1u
AA_ODED
AA_CLRD
DM
NC
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
68
67
65
64
63
61
60
59
58
57
56
55
54
53
52
51
50
49
48
47
46
45
44
43
42
41
40
39
37
36
35
34
33
32
31
TERM
R7162
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK21
AD_LE1
C7153
50V
100p

TH-37/42PWD8 SERIES
C1-Board (1 of 2) Schematic Diagram

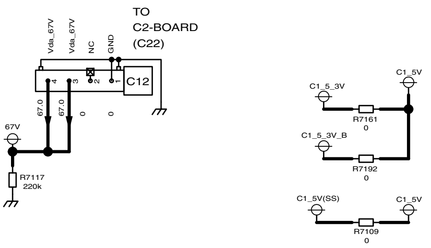

67V
R7175
0
R7172
0
R7102
22
R7121
22
R7136
22
R7137
22
7161
00V
47u
67V
AA_ODED
AA_CLRD
C1_5V
C7108
16V
1u
TO
PANEL DATA
DRIVER
CB1
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
DM
SIDE
R7163
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
R7125
1k
AD_CLK11
AD_LE1
R7133
0
1
2
3
4
5
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7104
K4CD01000013

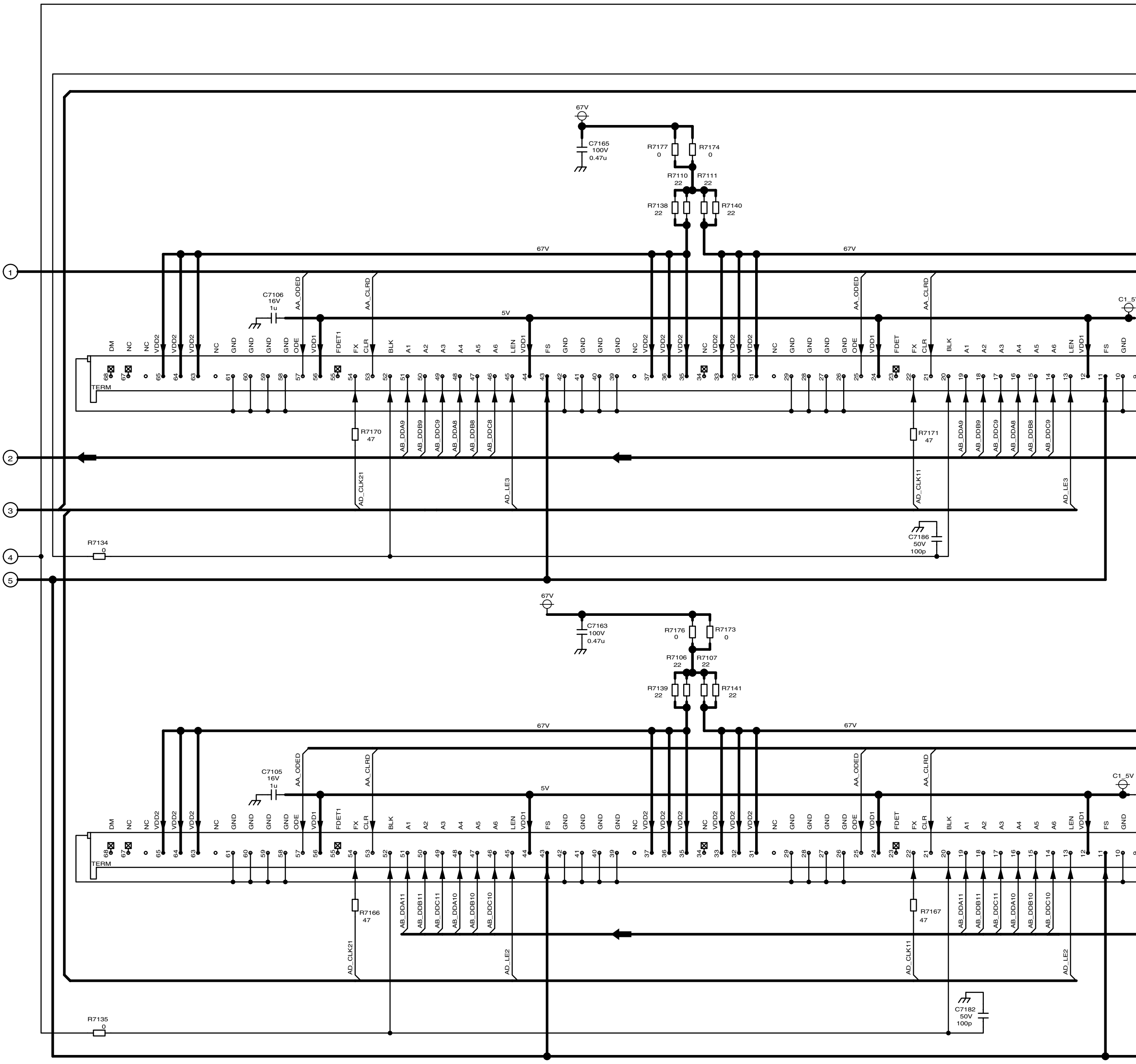
TH-37/42PWD8 SERIES
C1-Board (1 of 2) Schematic Diagram

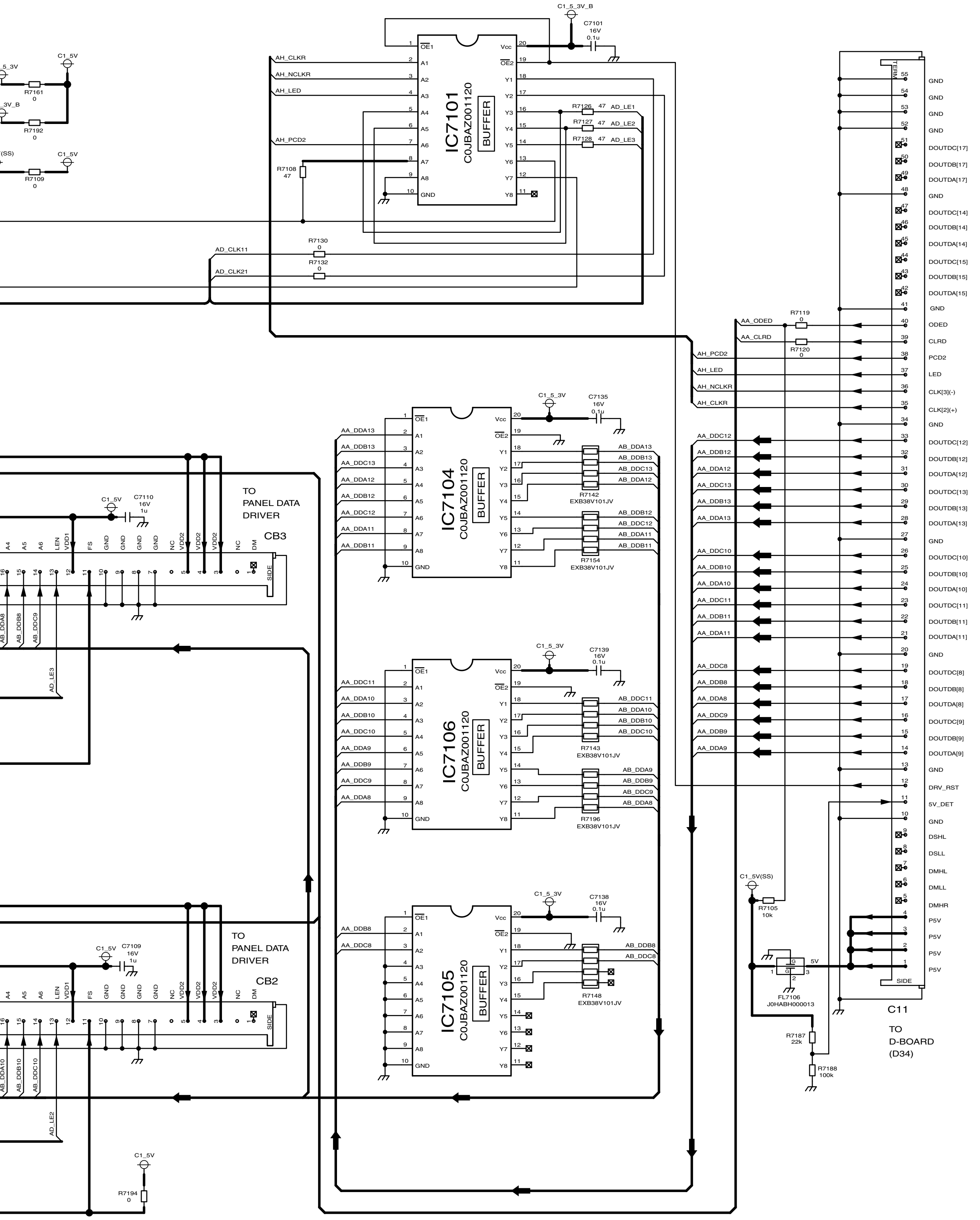
4 5 6 7 8

15.44. C1-Board (2 of 2) Schematic Diagram (42 inch)

⚠ C1-BOARD TNPA3545 (2/2)


TO
C2-BOARD
(C22)
Vda_67V
Vda_67V
NC
GND
C12
67.0
67.0
0
0
67V
R7117
220k
C1_5_3V
C1_5V
R7161
0
C1_5_3V_B
R7192
0
C1_5V(SS)
C1_5V
R7109
0

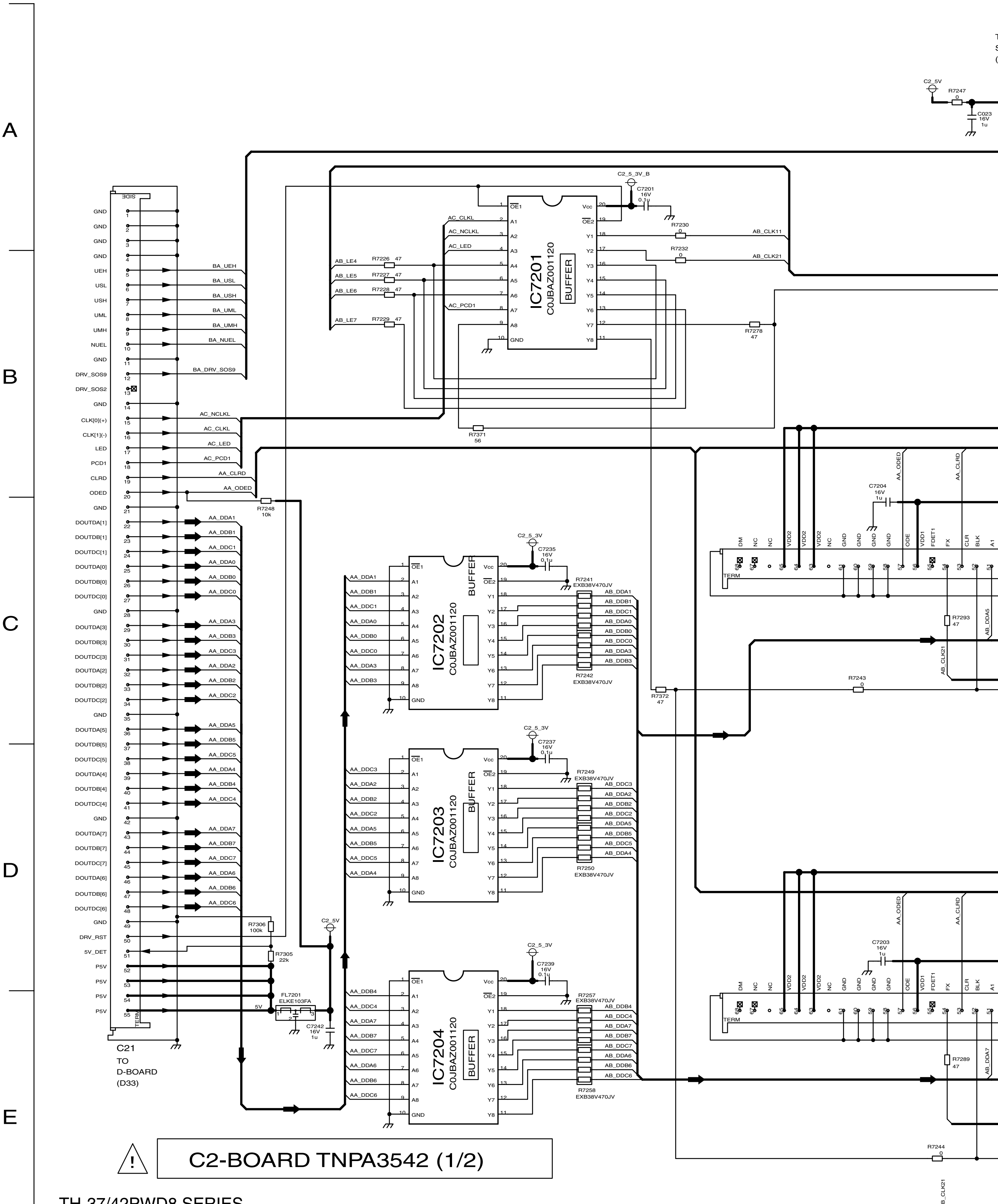

67V
C7165
100V
0.47u
R7177
0
R7174
0
R7110
22
R7111
22
R7138
22
R7140
22
67V
67V
①
C7106
16V
1u
AA_ODED
AA_CLRD
5V
AA_ODED
AA_CLRD
C1_5V
DM
NC
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
TERM
R7170
47
AB_DDA9
AB_DDB9
AB_DDC9
AB_DDA8
AB_DDB8
AB_DDC8
R7171
47
AB_DDA9
AB_DDB9
AB_DDC9
AB_DDA8
AB_DDB8
AB_DDC8
②
③
AD_CLK21
AD_LE3
AD_CLK11
AD_LE3
C7186
50V
100p
④
R7134
0
⑤
67V
C7163
100V
0.47u
R7176
0
R7173
0
R7106
22
R7107
22
R7139
22
R7141
22
67V
67V
C7105
16V
1u
AA_ODED
AA_CLRD
5V
AA_ODED
AA_CLRD
C1_5V
TERM
R7166
47
AB_DDA11
AB_DDB11
AB_DDC11
AB_DDA10
AB_DDB10
AB_DDC10
R7167
47
AB_DDA11
AB_DDB11
AB_DDC11
AB_DDA10
AB_DDB10
AB_DDC10
AD_CLK21
AD_LE2
AD_CLK11
AD_LE2
C7182
50V
100p
R7135
0


IC7101
C0JBAZ001120
BUFFER
IC7104
C0JBAZ001120
BUFFER
IC7106
C0JBAZ001120
BUFFER
IC7105
C0JBAZ001120
BUFFER
C1_5_3V_B
C7101
16V
0.1u
AH_CLKR
AH_NCLKR
AH_LED
AH_PCD2
R7108
47
R7126
R7127
R7128
47
AD_LE1
AD_LE2
AD_LE3
AD_CLK11
AD_CLK21
R7130
0
R7132
0
R7161
0
R7192
0
R7109
0
C1_5V
TO
PANEL DATA
DRIVER
CB3
CB2
C7110
16V
1u
C7109
16V
1u
C1_5_3V
C7135
16V
0.1u
C7139
16V
0.1u
C7138
16V
0.1u
R7142
EXB38V101JV
R7154
EXB38V101JV
R7143
EXB38V101JV
R7196
EXB38V101JV
R7148
EXB38V101JV
AA_DDA13
AA_DDB13
AA_DDC13
AA_DDA12
AA_DDB12
AA_DDC12
AA_DDA11
AA_DDB11
AA_DDC11
AA_DDA10
AA_DDB10
AA_DDC10
AA_DDA9
AA_DDB9
AA_DDC9
AA_DDA8
AA_DDB8
AA_DDC8
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AB_DDA11
AB_DDB11
AB_DDC11
AB_DDA10
AB_DDB10
AB_DDC10
AB_DDA9
AB_DDB9
AB_DDC9
AB_DDA8
AB_DDB8
AB_DDC8
AD_LE3
AD_LE2
AA_ODED
AA_CLRD
R7119
0
R7120
0
GND
DOUTDC[17]
DOUTDB[17]
DOUTDA[17]
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED
CLRD
PCD2
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
DRV_RST
5V_DET
DSHL
DSLL
DMHL
DMLL
DMHR
P5V
TERM
SIDE
C1_5V(SS)
R7105
10k
FL7106
J0HABH000013
5V
R7187
22k
R7188
100k
C11
TO
D-BOARD
(D34)
R7194
0

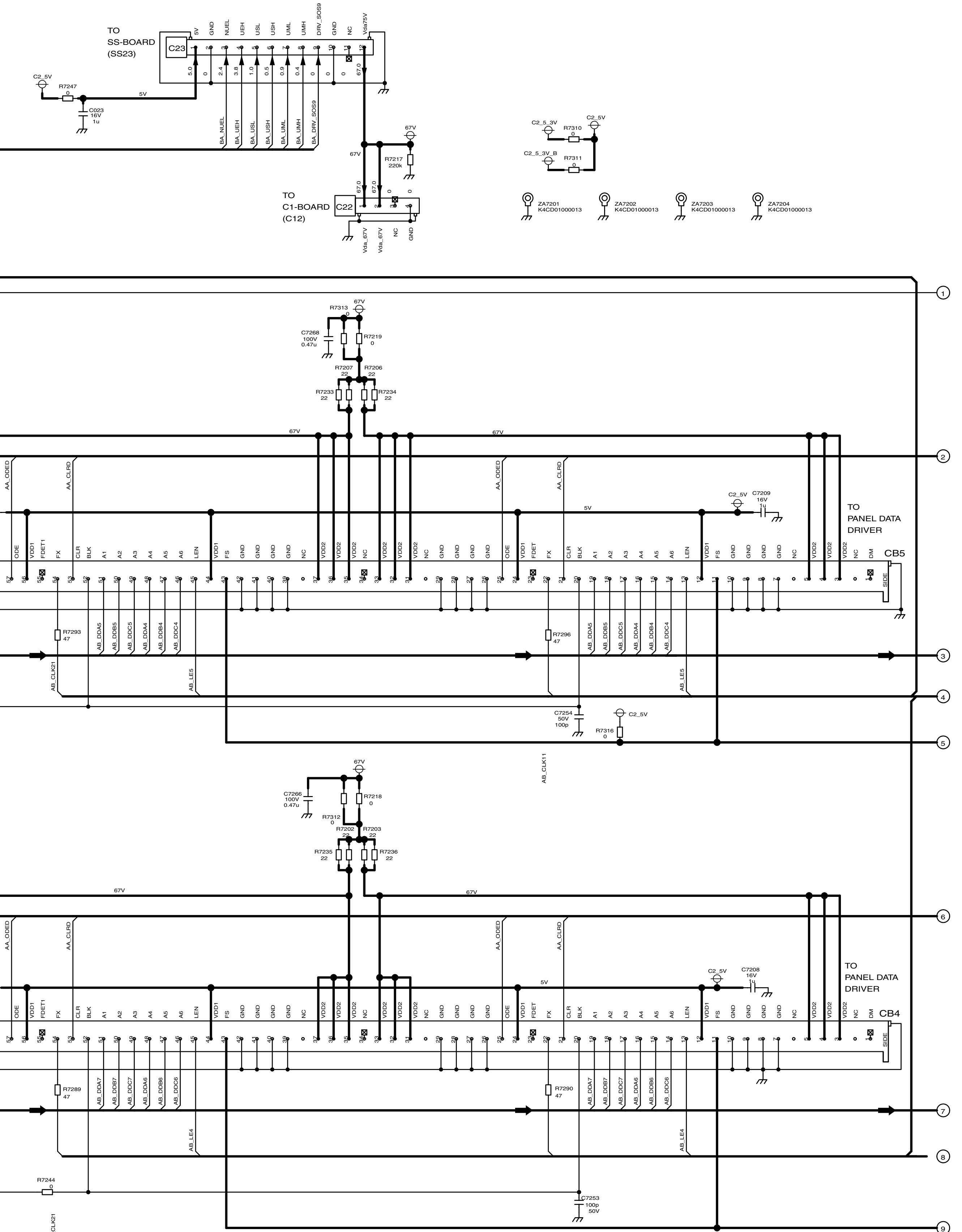
TH-37/42PWD8 SERIES
C1-Board (2 of 2) Schematic Diagram

12 13 14 15

15.45. C2-Board (1 of 2) Schematic Diagram (37 inch)



A
B
C
D
E
C21
TO
D-BOARD
(D33)
SIDE
GND
UEH
USL
USH
UML
UMH
NUEL
DRV_SOS9
DRV_SOS2
CLK[0](+)
CLK[1](-)
LED
PCD1
CLRD
ODED
DOUTDA[1]
DOUTDB[1]
DOUTDC[1]
DOUTDA[0]
DOUTDB[0]
DOUTDC[0]
DOUTDA[3]
DOUTDB[3]
DOUTDC[3]
DOUTDA[2]
DOUTDB[2]
DOUTDC[2]
DOUTDA[5]
DOUTDB[5]
DOUTDC[5]
DOUTDA[4]
DOUTDB[4]
DOUTDC[4]
DOUTDA[7]
DOUTDB[7]
DOUTDC[7]
DOUTDA[6]
DOUTDB[6]
DOUTDC[6]
DRV_RST
5V_DET
P5V
TERM
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_NUEL
BA_DRV_SOS9
AC_NCLKL
AC_CLKL
AC_LED
AC_PCD1
AA_CLRD
AA_ODED
AA_DDA1
AA_DDB1
AA_DDC1
AA_DDA0
AA_DDB0
AA_DDC0
AA_DDA3
AA_DDB3
AA_DDC3
AA_DDA2
AA_DDB2
AA_DDC2
AA_DDA5
AA_DDB5
AA_DDC5
AA_DDA4
AA_DDB4
AA_DDC4
AA_DDA7
AA_DDB7
AA_DDC7
AA_DDA6
AA_DDB6
AA_DDC6
R7248
10k
R7306
100k
R7305
22k
C2_5V
FL7201
ELKE103FA
5V
C7242
16V
1u
AB_LE4
AB_LE5
AB_LE6
AB_LE7
R7226 47
R7227 47
R7228 47
R7229 47
AC_CLKL
AC_NCLKL
AC_LED
AC_PCD1
IC7201
C0JBAZ001120
BUFFER
OE1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
OE2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
C2_5_3V_B
C7201
16V
0.1u
R7230
0
R7232
0
AB_CLK11
AB_CLK21
R7278
47
R7371
56
IC7202
C0JBAZ001120
BUFFER
C2_5_3V
C7235
16V
0.1u
R7241
EXB38V470JV
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_DDA3
AB_DDB3
R7242
EXB38V470JV
R7372
47
R7243
0
IC7203
C0JBAZ001120
BUFFER
C7237
16V
0.1u
R7249
EXB38V470JV
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_DDA5
AB_DDB5
AB_DDC5
AB_DDA4
R7250
EXB38V470JV
IC7204
C0JBAZ001120
BUFFER
C2_5_3V
C7239
16V
0.1u
R7257
EXB38V470JV
AB_DDB4
AB_DDC4
AB_DDA7
AB_DDB7
AB_DDC7
AB_DDA6
AB_DDB6
AB_DDC6
R7258
EXB38V470JV
C2_5V
R7247
0
C023
16V
1u
C7204
16V
1u
C7203
16V
1u
AA_ODED
AA_CLRD
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
TERM
R7293
47
AB_DDA5
AB_CLK21
R7289
47
AB_DDA7
R7244
0
AB_CLK21
C2-BOARD TNPA3542 (1/2)
1
2
3
4


TO SS-BOARD (SS23)
C23
5V
GND
NUEL
UEH
USL
USH
UML
UMH
DRV_SOS9
NC
Vda75V
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_DRV_SOS9
C2_5V
R7247
C023 16V 1u
67V
R7217 220k
TO C1-BOARD (C12)
C22
Vda_67V
NC
C2_5_3V
R7310
R7311
C2_5_3V_B
ZA7201 K4CD01000013
ZA7202 K4CD01000013
ZA7203 K4CD01000013
ZA7204 K4CD01000013
R7313
C7268 100V 0.47u
R7219
R7207 22
R7206 22
R7233 22
R7234 22
AA_ODED
AA_CLRD
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
VDD2
DM
SIDE
C7209 16V 1u
TO PANEL DATA DRIVER
CB5
R7293 47
R7296 47
AB_DDA5
AB_DDB5
AB_DDC5
AB_DDA4
AB_DDB4
AB_DDC4
AB_CLK21
AB_LE5
C7254 50V 100p
R7316
AB_CLK11
C7266 100V 0.47u
R7218
R7312
R7202 22
R7203 22
R7235 22
R7236 22
C7208 16V 1u
CB4
R7289 47
R7290 47
AB_DDA7
AB_DDB7
AB_DDC7
AB_DDA6
AB_DDB6
AB_DDC6
AB_LE4
R7244
C7253 100p 50V
①
②
③
④
⑤
⑥
⑦
⑧
⑨

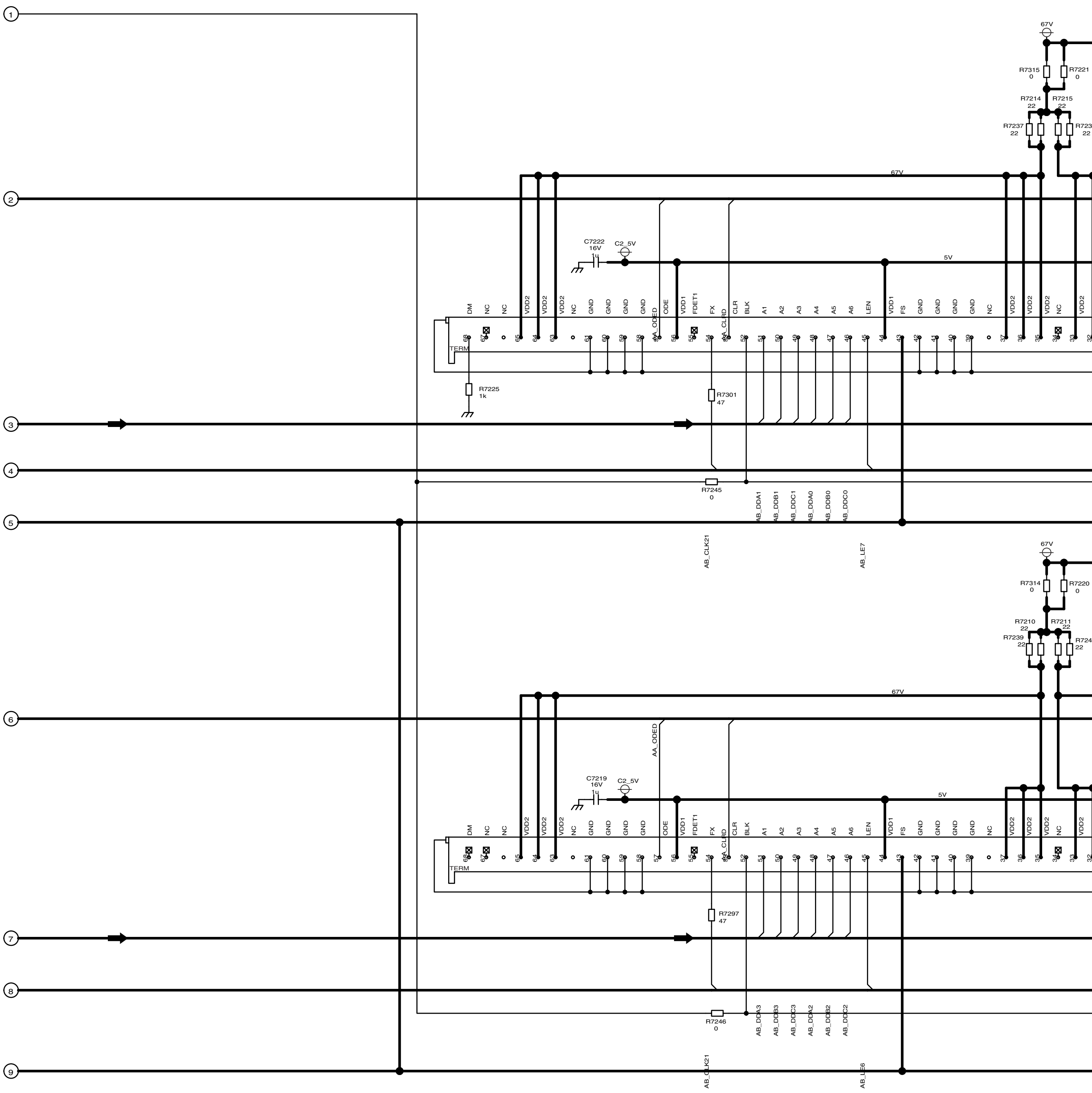
TH-37/42PWD8 SERIES
C2-Board (1 of 2) Schematic Diagram

4 5 6 7 8

AB_CLK11

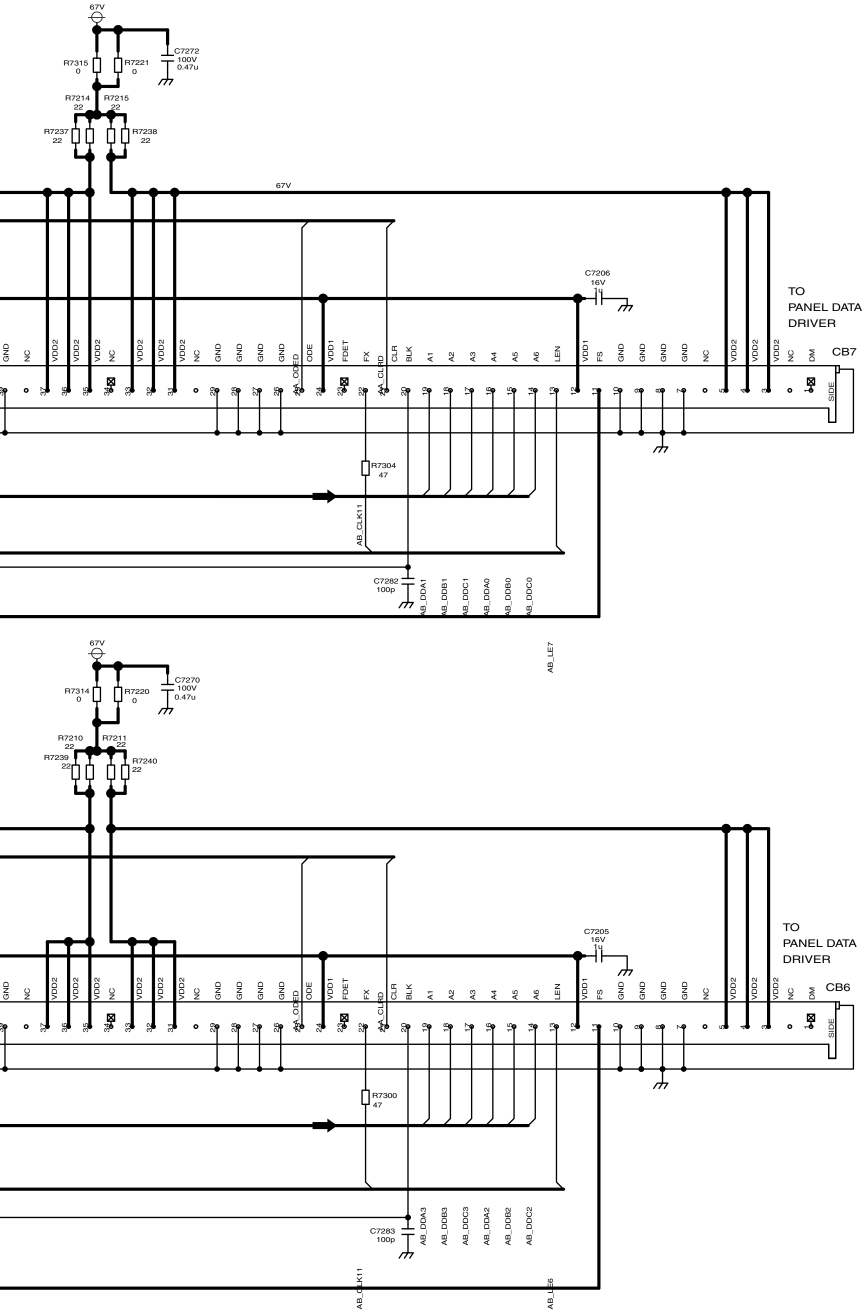
15.46. C2-Board (2 of 2) Schematic Diagram (37 inch)

⚠ C2-BOARD TNPA3542 (2/2)


1
2
3
4
5
6
7
8
9
67V
R7315
0
R7221
0
R7214
22
R7215
22
R7237
22
R723
22
67V
C7222
16V
1u
C2_5V
5V
DM NC NC VDD2 VDD2 VDD2 NC GND GND GND GND ODE VDD1 FDET1 FX CLR BLK A1 A2 A3 A4 A5 A6 LEN VDD1 FS GND GND GND GND NC VDD2 VDD2 VDD2 NC VDD2
AA_ODED
AA_CLRD
TERM
R7225
1k
R7301
47
R7245
0
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_CLK21
AB_LE7
67V
R7314
0
R7220
0
R7210
22
R7211
22
R7239
22
R724
22
67V
AA_ODED
C7219
16V
1u
C2_5V
5V
DM NC NC VDD2 VDD2 VDD2 NC GND GND GND GND ODE VDD1 FDET1 FX CLR BLK A1 A2 A3 A4 A5 A6 LEN VDD1 FS GND GND GND GND NC VDD2 VDD2 VDD2 NC VDD2
AA_CLRD
TERM
R7297
47
R7246
0
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_CLK21
AB_LE6

TH-37/42PWD8 SERIES C2-Board (2 of 2) Schematic Diagram

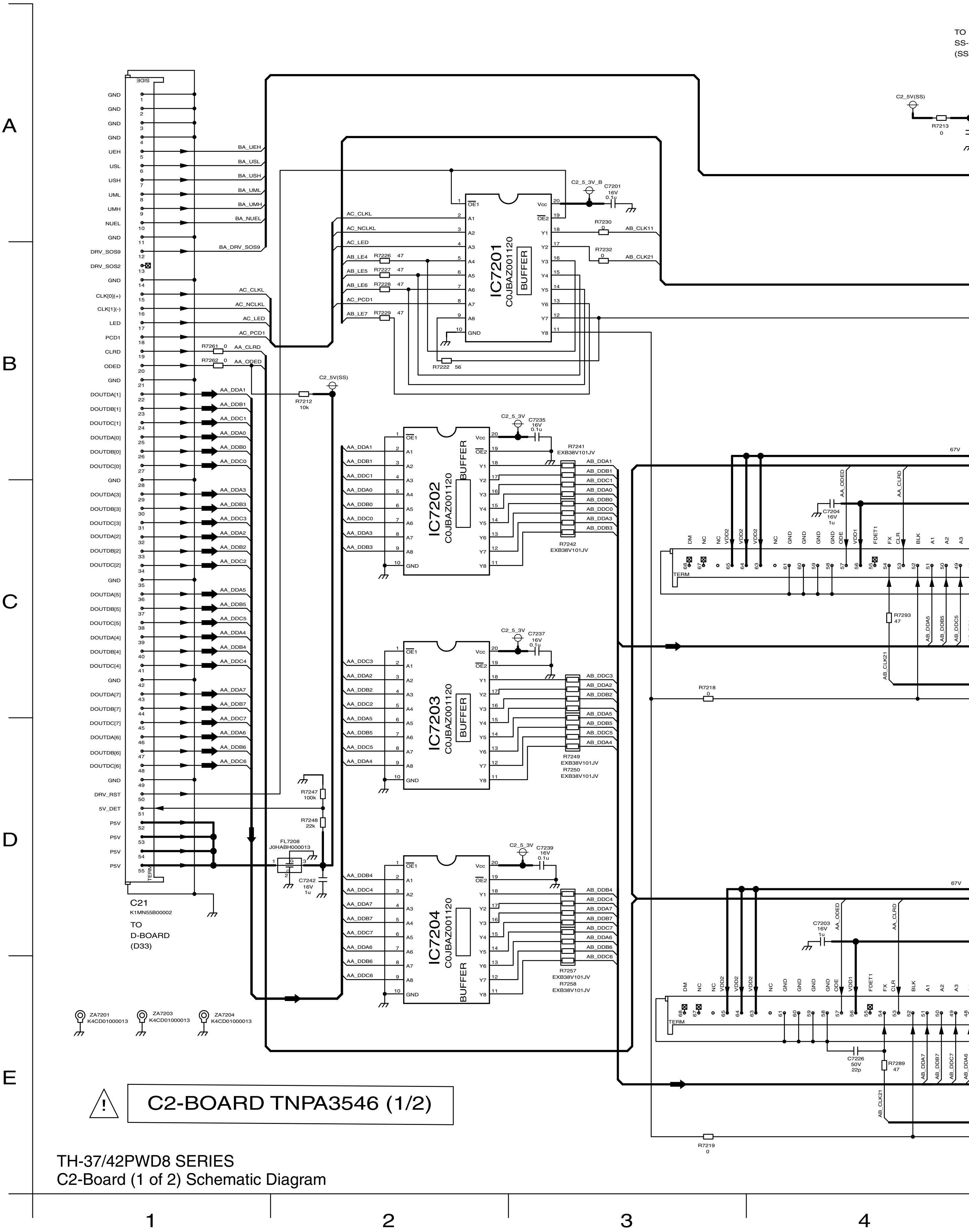
8 9 10 11 12


67V
R7315
0
R7221
0
C7272
100V
0.47u
R7214
22
R7215
22
R7237
22
R7238
22
67V
C7206
16V
1u
TO
PANEL DATA
DRIVER
CB7
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
DM
SIDE
AA_ODED
AA_CLRD
R7304
47
AB_CLK11
C7282
100p
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_LE7
67V
R7314
0
R7220
0
C7270
100V
0.47u
R7210
22
R7211
22
R7239
22
R7240
22
C7205
16V
1u
TO
PANEL DATA
DRIVER
CB6
R7300
47
C7283
100p
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_CLK11
AB_LE6

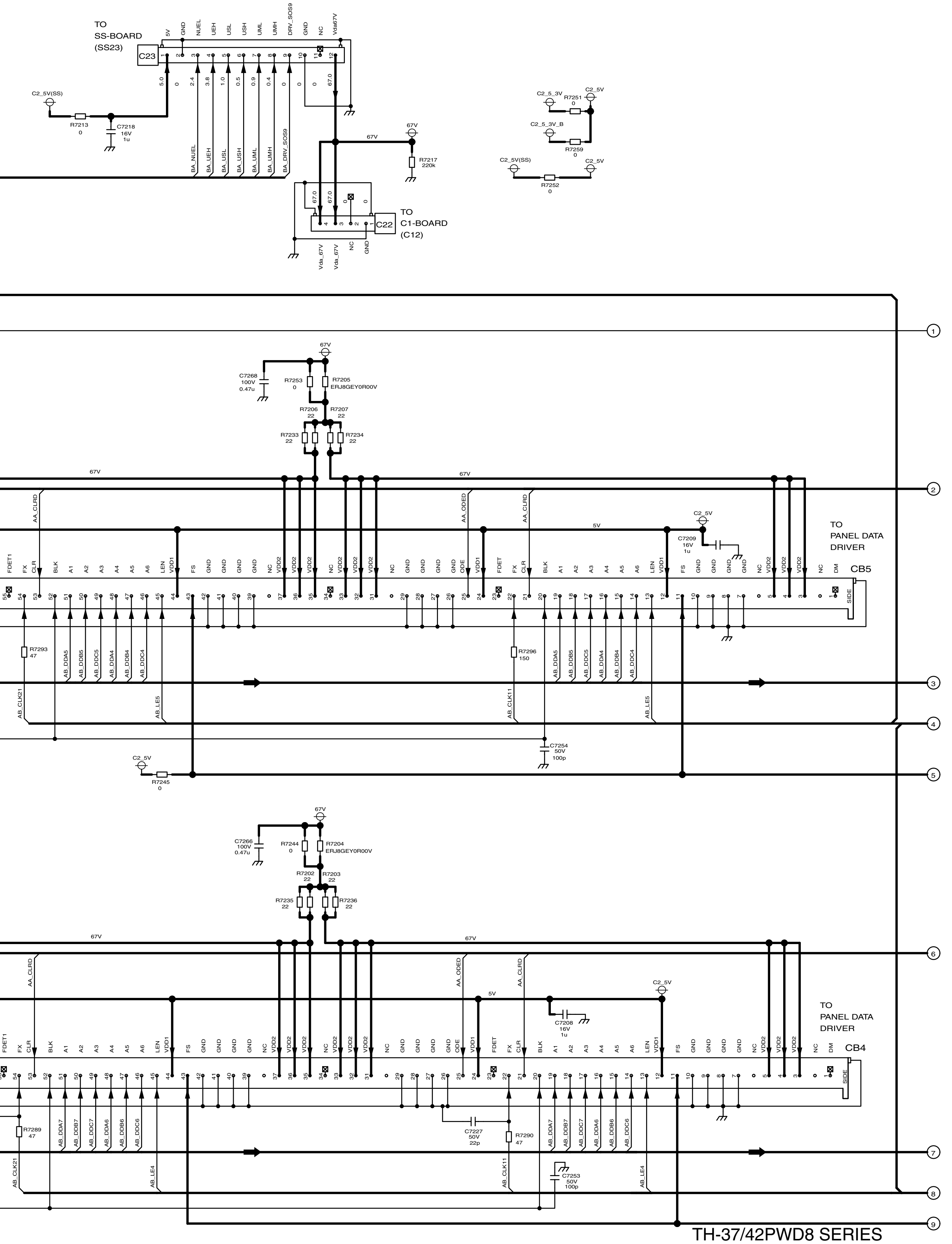
TH-37/42PWD8 SERIES
C2-Board (2 of 2) Schematic Diagram

12 13 14 15

15.47. C2-Board (1 of 2) Schematic Diagram (42 inch)


A
B
C
D
E
1
2
3
4
C21
K1MN55B00002
TO
D-BOARD
(D33)
SIDE
TERM
GND
UEH
USL
USH
UML
UMH
NUEL
DRV_SOS9
DRV_SOS2
CLK[0](+)
CLK[1](-)
LED
PCD1
CLRD
ODED
DOUTDA[1]
DOUTDB[1]
DOUTDC[1]
DOUTDA[0]
DOUTDB[0]
DOUTDC[0]
DOUTDA[3]
DOUTDB[3]
DOUTDC[3]
DOUTDA[2]
DOUTDB[2]
DOUTDC[2]
DOUTDA[5]
DOUTDB[5]
DOUTDC[5]
DOUTDA[4]
DOUTDB[4]
DOUTDC[4]
DOUTDA[7]
DOUTDB[7]
DOUTDC[7]
DOUTDA[6]
DOUTDB[6]
DOUTDC[6]
DRV_RST
5V_DET
P5V
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_NUEL
BA_DRV_SOS9
AC_CLKL
AC_NCLKL
AC_LED
AC_PCD1
AA_CLRD
AA_ODED
R7261 0
R7262 0
R7212 10k
C2_5V(SS)
R7247 100k
R7248 22k
FL7208
J0HABH000013
C7242 16V 1u
IC7201
C0JBAZ001120
BUFFER
C2_5_3V_B
C7201 16V 0.1u
R7230 0
R7232 0
AB_CLK11
AB_CLK21
AB_LE4
AB_LE5
AB_LE6
AB_LE7
R7226 47
R7227 47
R7228 47
R7229 47
R7222 56
IC7202
C0JBAZ001120
BUFFER
C2_5_3V
C7235 16V 0.1u
R7241 EXB38V101JV
R7242 EXB38V101JV
IC7203
C0JBAZ001120
BUFFER
C7237 16V 0.1u
R7249 EXB38V101JV
R7250 EXB38V101JV
IC7204
C0JBAZ001120
BUFFER
C7239 16V 0.1u
R7257 EXB38V101JV
R7258 EXB38V101JV
OE1
OE2
Vcc
GND
A1
A2
A3
A4
A5
A6
A7
A8
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
AA_DDA1
AA_DDB1
AA_DDC1
AA_DDA0
AA_DDB0
AA_DDC0
AA_DDA3
AA_DDB3
AA_DDC3
AA_DDA2
AA_DDB2
AA_DDC2
AA_DDA5
AA_DDB5
AA_DDC5
AA_DDA4
AA_DDB4
AA_DDC4
AA_DDA7
AA_DDB7
AA_DDC7
AA_DDA6
AA_DDB6
AA_DDC6
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDA5
AB_DDB5
AB_DDC5
AB_DDA4
AB_DDB4
AB_DDC4
AB_DDA7
AB_DDB7
AB_DDC7
AB_DDA6
AB_DDB6
AB_DDC6
TO
SS-
(SS
C2_5V(SS)
R7213 0
67V
AA_ODED
AA_CLRD
C7204 16V 1u
C7203 16V 1u
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
TERM
R7293 47
R7289 47
C7226 50V 22p
AB_CLK21
R7218 0
R7219 0
ZA7201 K4CD01000013
ZA7203 K4CD01000013
ZA7204 K4CD01000013
C2-BOARD TNPA3546 (1/2)

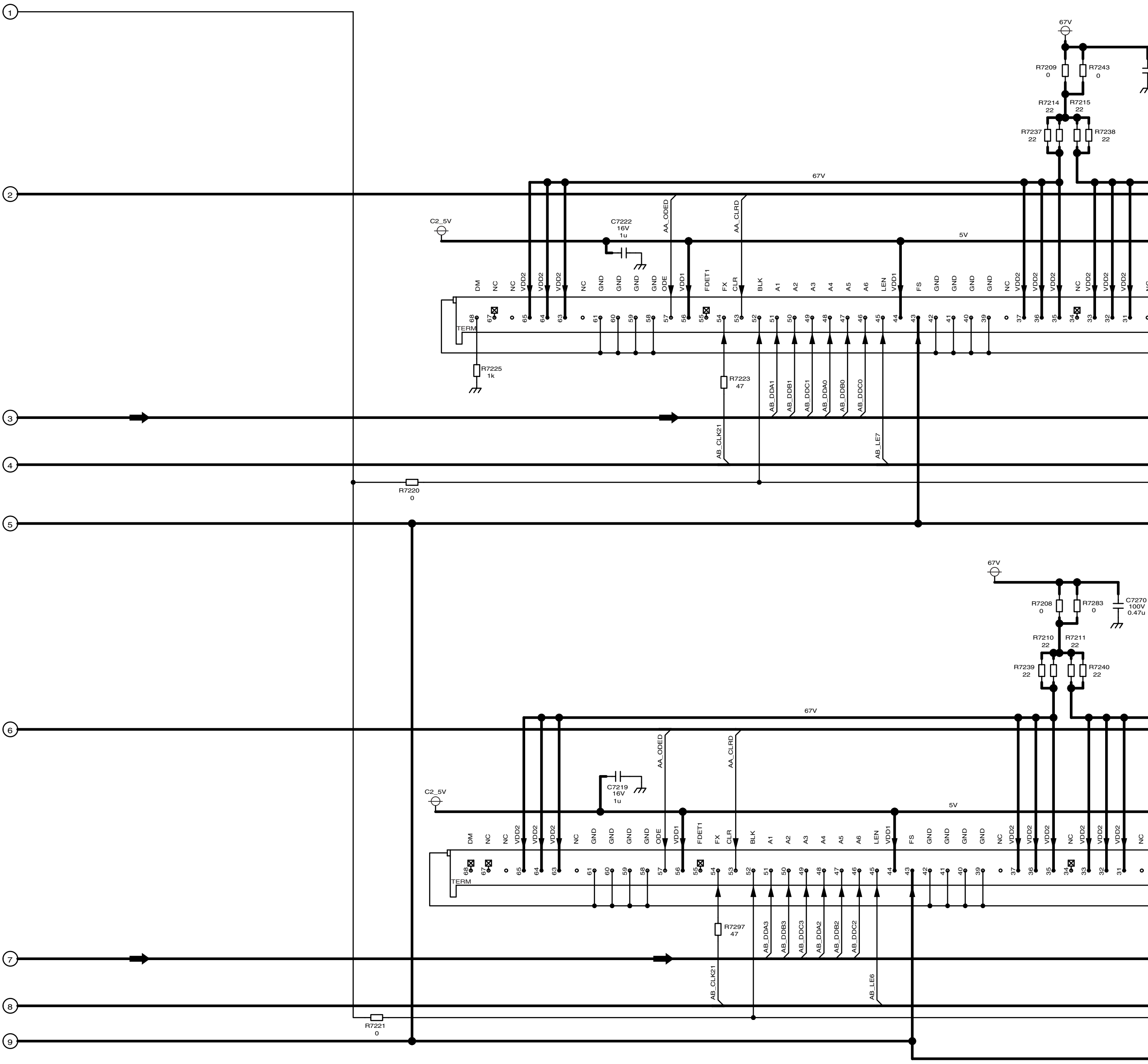
TH-37/42PWD8 SERIES
C2-Board (1 of 2) Schematic Diagram


TO
SS-BOARD
(SS23)
C23
5V
GND
NUEL
UEH
USL
USH
UML
UMH
DRV_SOS9
GND
NC
Vda67V
5.0
0
2.4
3.8
1.0
0.5
0.9
0.4
0
0
0
67.0
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_DRV_SOS9
C2_5V(SS)
R7213
0
C7218
16V
1u
67V
R7217
220k
TO
C1-BOARD
(C12)
C22
Vda_67V
Vda_67V
NC
GND
C2_5_3V
R7251
0
C2_5V
C2_5_3V_B
R7259
0
C2_5V(SS)
R7252
0
C2_5V
C7268
100V
0.47u
R7253
0
R7205
ERJ8GEY0R00V
R7206
22
R7207
22
R7233
22
R7234
22
AA_CLRD
AA_ODED
AA_CLRD
5V
C2_5V
C7209
16V
1u
TO
PANEL DATA
DRIVER
CB5
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
NC
VDD2
ODE
FDET
DM
SIDE
R7293
47
AB_DDA5
AB_DDB5
AB_DDC5
AB_DDA4
AB_DDB4
AB_DDC4
R7296
150
AB_CLK21
AB_LE5
AB_CLK11
C7254
50V
100p
C2_5V
R7245
0
C7266
100V
0.47u
R7244
0
R7204
ERJ8GEY0R00V
R7202
22
R7203
22
R7235
22
R7236
22
C7208
16V
1u
TO
PANEL DATA
DRIVER
CB4
R7289
47
AB_DDA7
AB_DDB7
AB_DDC7
AB_DDA6
AB_DDB6
AB_DDC6
C7227
50V
22p
R7290
47
AB_LE4
C7253
50V
100p
1
2
3
4
5
6
7
8
9

TH-37/42PWD8 SERIES
C2-Board (1 of 2) Schematic Diagram

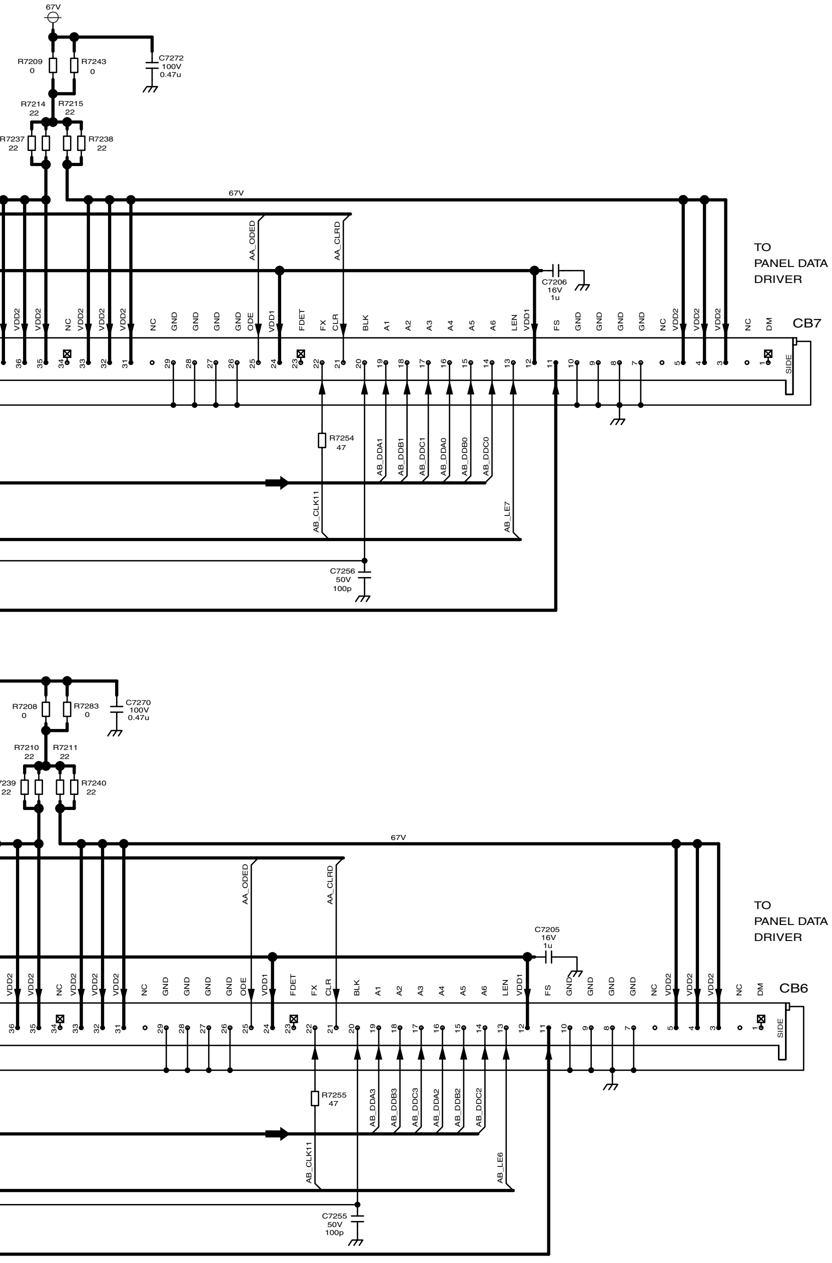
15.48. C2-Board (2 of 2) Schematic Diagram (42 inch)

⚠ C2-BOARD TNPA3546 (2/2)


1
2
3
4
5
6
7
8
9
67V
R7209
0
R7243
0
R7214
22
R7215
22
R7237
22
R7238
22
C2_5V
C7222
16V
1u
AA_ODED
AA_CLRD
5V
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
TERM
R7225
1k
R7223
47
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_CLK21
AB_LE7
R7220
0
R7208
0
R7283
0
C7270
100V
0.47u
R7210
22
R7211
22
R7239
22
R7240
22
C7219
16V
1u
R7297
47
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_LE6
R7221
0

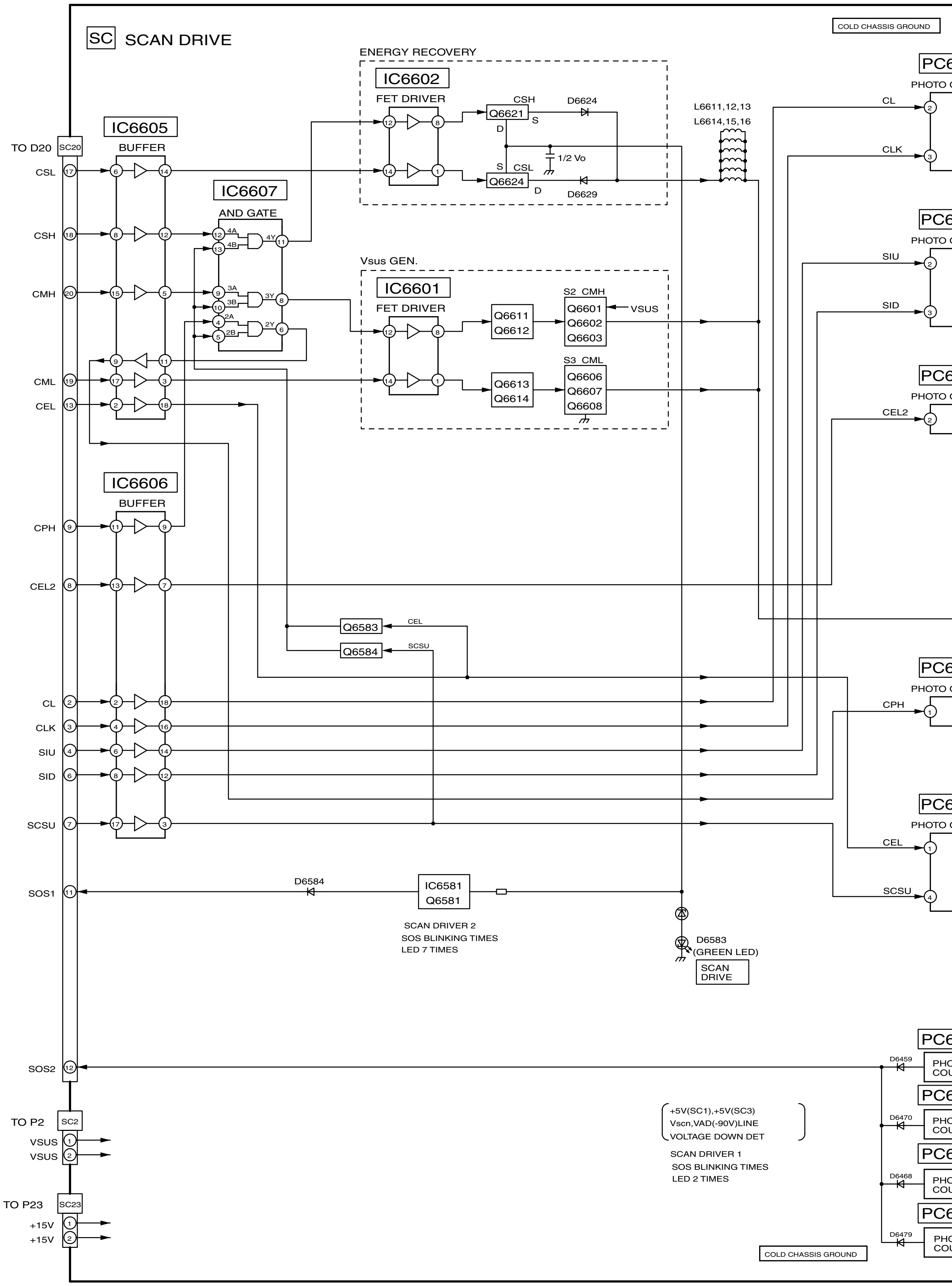
TH-37/42PWD8 SERIES C2-Board (2 of 2) Schematic Diagram

8 9 10 11 12

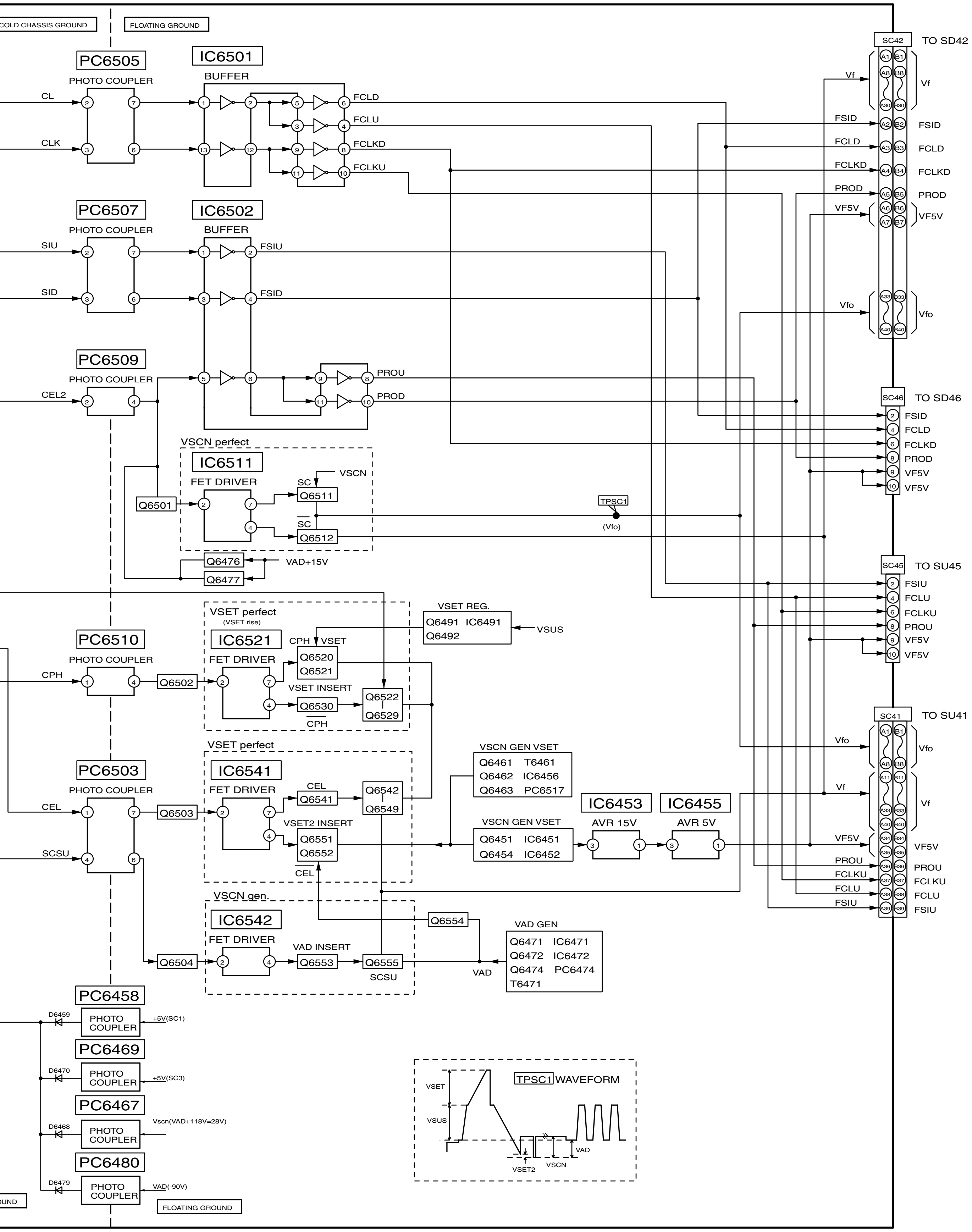

67V
R7209
0
R7243
0
C7272
100V
0.47u
R7214
22
R7215
22
R7237
22
R7238
22
67V
AA_ODED
AA_CLRD
TO
PANEL DATA
DRIVER
C7206
16V
1u
VDD2
VDD2
NC
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
DM
CB7
SIDE
R7254
47
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_CLK11
AB_LE7
C7256
50V
100p
R7208
0
R7283
0
C7270
100V
0.47u
R7210
22
R7211
22
R7239
22
R7240
22
67V
AA_ODED
AA_CLRD
TO
PANEL DATA
DRIVER
C7205
16V
1u
CB6
SIDE
R7255
47
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_CLK11
AB_LE6
C7255
50V
100p

TH-37/42PWD8 SERIES
C2-Board (2 of 2) Schematic Diagram

15.49. SC-Board Block Diagram

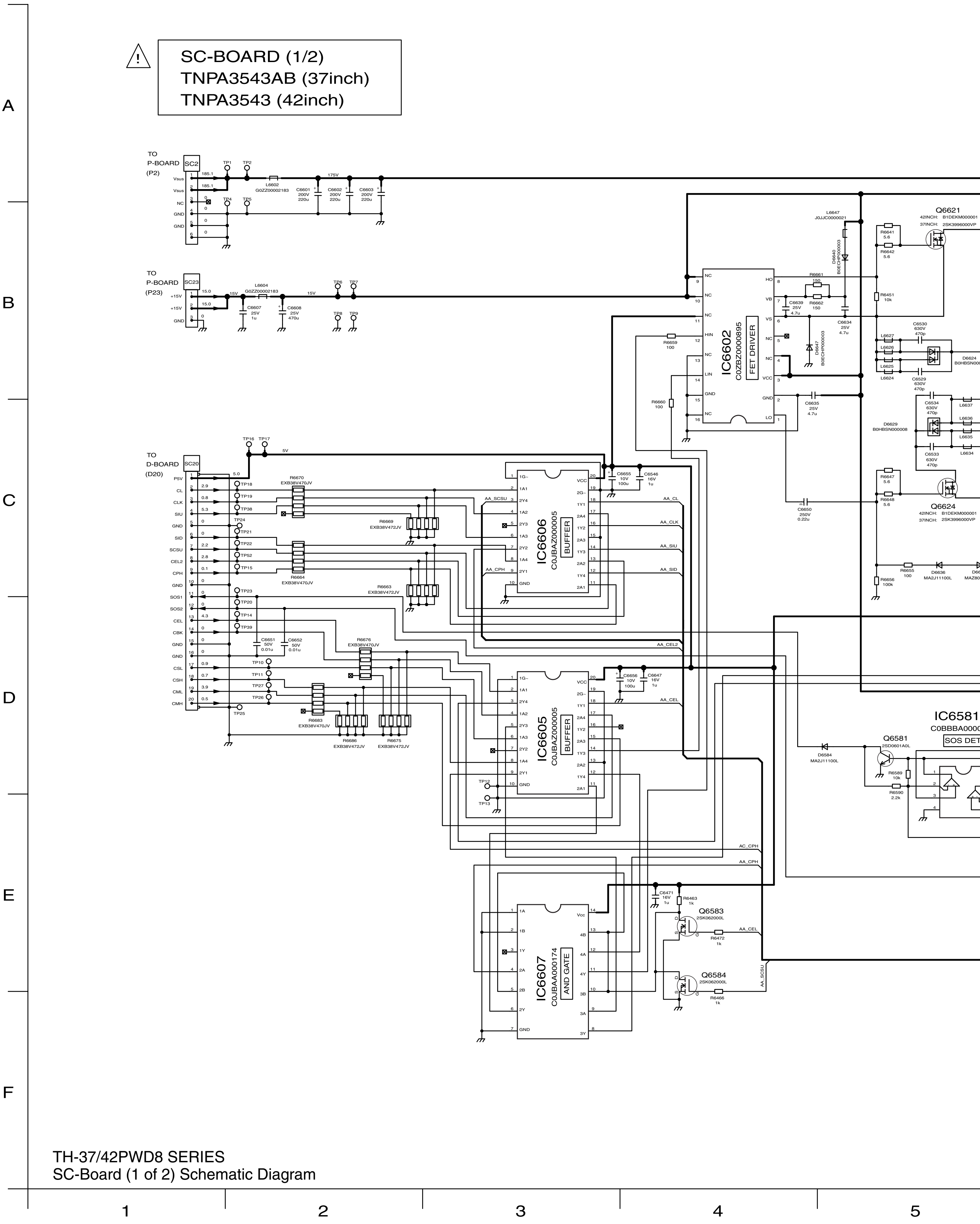

SC SCAN DRIVE
COLD CHASSIS GROUND
ENERGY RECOVERY
IC6602
FET DRIVER
CSH
Q6621
D6624
S
D
1/2 Vo
S CSL
Q6624
D
D6629
L6611,12,13
L6614,15,16
TO D20
SC20
CSL
CSH
CMH
CML
CEL
IC6605
BUFFER
IC6607
AND GATE
4A
4B
4Y
3A
3B
3Y
2A
2B
2Y
Vsus GEN.
IC6601
FET DRIVER
Q6611
Q6612
S2 CMH
Q6601
Q6602
Q6603
VSUS
Q6613
Q6614
S3 CML
Q6606
Q6607
Q6608
IC6606
BUFFER
CPH
CEL2
Q6583
CEL
Q6584
SCSU
CL
CLK
SIU
SID
SCSU
SOS1
D6584
IC6581
Q6581
SCAN DRIVER 2
SOS BLINKING TIMES
LED 7 TIMES
D6583
(GREEN LED)
SCAN
DRIVE
PC6
PHOTO C
CL
CLK
SIU
SID
CEL2
CPH
CEL
SCSU
SOS2
D6459
D6470
D6468
D6479
PHO
COU
+5V(SC1),+5V(SC3)
Vscn,VAD(-90V)LINE
VOLTAGE DOWN DET
SCAN DRIVER 1
SOS BLINKING TIMES
LED 2 TIMES
COLD CHASSIS GROUND
TO P2
SC2
VSUS
VSUS
TO P23
SC23
+15V
+15V

TH-37/42PWD8 SERIES
SC-Board Block Diagram

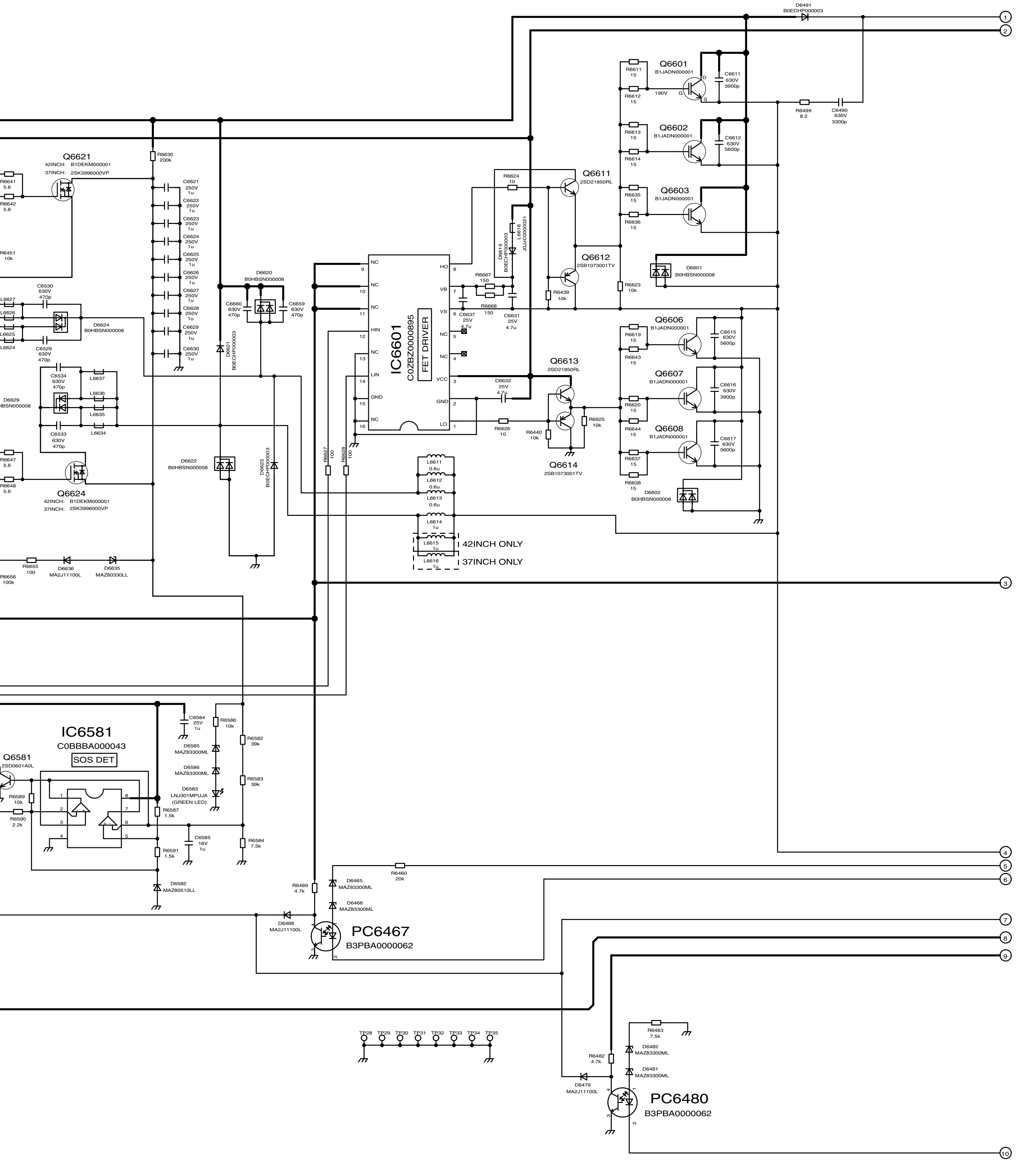

COLD CHASSIS GROUND
FLOATING GROUND
PC6505
PHOTO COUPLER
IC6501
BUFFER
CL
CLK
FCLD
FCLU
FCLKD
FCLKU
PC6507
PHOTO COUPLER
IC6502
BUFFER
SIU
SID
FSIU
FSID
PC6509
PHOTO COUPLER
CEL2
PROU
PROD
VSCN perfect
IC6511
FET DRIVER
SC
VSCN
Q6511
Q6501
SC
Q6512
TPSC1
(Vfo)
Q6476
Q6477
VAD+15V
VSET perfect
(VSET rise)
IC6521
FET DRIVER
CPH
VSET
Q6520
Q6521
VSET INSERT
Q6530
CPH
Q6522
Q6529
VSET REG.
Q6491 IC6491
Q6492
VSUS
PC6510
PHOTO COUPLER
CPH
Q6502
VSET perfect
IC6541
FET DRIVER
CEL
Q6541
Q6542
Q6549
VSET2 INSERT
Q6551
Q6552
CEL
PC6503
PHOTO COUPLER
CEL
SCSU
Q6503
VSCN GEN VSET
Q6461 T6461
Q6462 IC6456
Q6463 PC6517
VSCN GEN VSET
Q6451 IC6451
Q6454 IC6452
IC6453
AVR 15V
IC6455
AVR 5V
VSCN gen.
IC6542
FET DRIVER
VAD INSERT
Q6553
Q6555
SCSU
Q6504
Q6554
VAD GEN
Q6471 IC6471
Q6472 IC6472
Q6474 PC6474
T6471
VAD
PC6458
D6459
PHOTO COUPLER
+5V(SC1)
PC6469
D6470
PHOTO COUPLER
+5V(SC3)
PC6467
D6468
PHOTO COUPLER
Vscn(VAD+118V=28V)
PC6480
D6479
PHOTO COUPLER
VAD(-90V)
UND
FLOATING GROUND
TPSC1 WAVEFORM
VSET
VSUS
VAD
VSET2
VSCN
SC42
TO SD42
Vf
A1 B1 A8 B8 A30 B30
FSID
FCLD
FCLKD
PROD
VF5V
A2 B2 A3 B3 A4 B4 A5 B5 A6 B6 A7 B7
Vfo
A33 B33 A40 B40
SC46
TO SD46
FSID
FCLD
FCLKD
PROD
VF5V
VF5V
SC45
TO SU45
FSIU
FCLU
FCLKU
PROU
VF5V
VF5V
SC41
TO SU41
Vfo
Vf
VF5V
PROU
FCLKU
FCLU
FSIU

TH-37/42PWD8 SERIES
SC-Board Block Diagram

15.50. SC-Board (1 of 2) Schematic Diagram

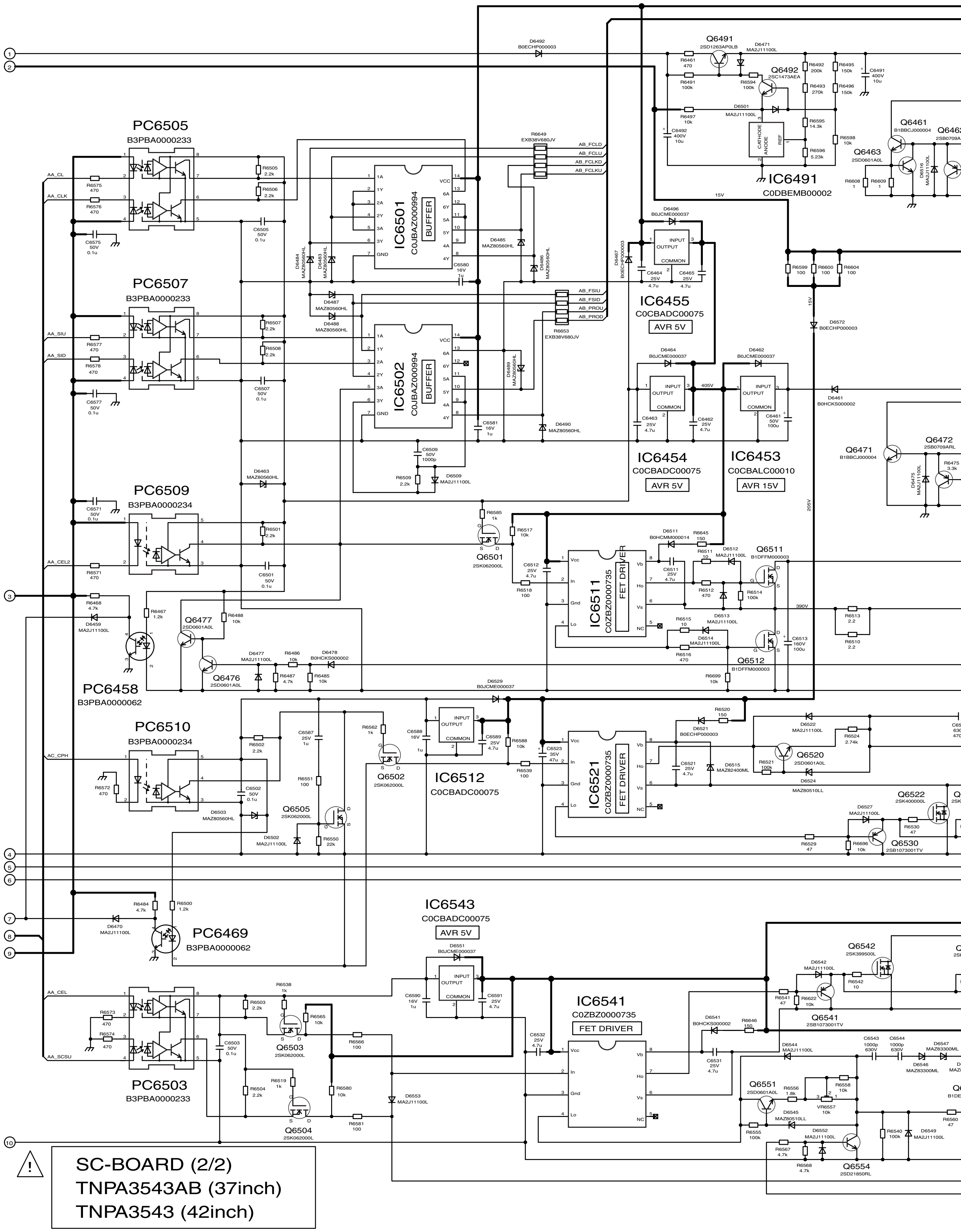

SC-BOARD (1/2)
TNPA3543AB (37inch)
TNPA3543 (42inch)
TO P-BOARD (P2)
SC2
Vsus
Vsus
NC
GND
GND
TP1
TP2
TP4
TP5
L6602 G0ZZ00002183
175V
C6601 200V 220u
C6602 200V 220u
C6603 200V 220u
TO P-BOARD (P23)
SC23
+15V
+15V
GND
L6604 G0ZZ00002183
15V
C6607 25V 1u
C6608 25V 470u
TP6
TP7
TP8
TP9
TO D-BOARD (D20)
SC20
P5V
CL
CLK
SIU
GND
SID
SCSU
CEL2
CPH
GND
SOS1
SOS2
CEL
CBK
GND
GND
CSL
CSH
CML
CMH
5V
TP16
TP17
R6670 EXB38V470JV
R6669 EXB38V472JV
R6664 EXB38V470JV
R6663 EXB38V472JV
R6676 EXB38V470JV
R6683 EXB38V470JV
R6686 EXB38V472JV
R6675 EXB38V472JV
C6651 50V 0.01u
C6652 50V 0.01u
IC6606
C0JBAZ000005
BUFFER
IC6605
C0JBAZ000005
BUFFER
IC6607
C0JBAA000174
AND GATE
IC6602
C0ZBZ0000895
FET DRIVER
L6647 J0JJC0000021
D6640 B0ECHP000003
D6647 B0ECHP000003
R6659 100
R6660 100
R6661 150
R6662 150
C6639 25V 4.7u
C6634 25V 4.7u
C6635 25V 4.7u
C6655 10V 100u
C6546 16V 1u
C6656 10V 100u
C6647 16V 1u
C6650 250V 0.22u
Q6621
42INCH: B1DEKM000001
37INCH: 2SK3996000VP
Q6624
42INCH: B1DEKM000001
37INCH: 2SK3996000VP
R6641 5.6
R6642 5.6
R6647 5.6
R6648 5.6
R6451 10k
C6530 630V 470p
C6529 630V 470p
C6534 630V 470p
C6533 630V 470p
D6624 B0HBSN000
D6629 B0HBSN000008
L6627
L6626
L6625
L6624
L6637
L6636
L6635
L6634
R6655 100
R6656 100k
D6636 MA2J11100L
AA_SCSU
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CPH
AA_CEL2
AA_CEL
AC_CPH
AA_CPH
AA_CEL
AA_SCSU
TP12
TP13
IC6581
C0BBBA0000
SOS DET
Q6581 2SD0601A0L
D6584 MA2J11100L
R6589 10k
R6590 2.2k
C6471 16V 1u
R6463 1k
Q6583 2SK062000L
R6472 1k
Q6584 2SK062000L
R6466 1k
A
B
C
D
E
F
1
2
3
4
5

TH-37/42PWD8 SERIES
SC-Board (1 of 2) Schematic Diagram


D6491
B0ECHP000003
Q6601
B1JADN000001
Q6602
Q6603
Q6606
Q6607
Q6608
Q6611
2SD21850RL
Q6612
2SB1073001TV
Q6613
2SD21850RL
Q6614
2SB1073001TV
Q6621
42INCH: B1DEKM000001
37INCH: 2SK3996000VP
Q6624
42INCH: B1DEKM000001
37INCH: 2SK3996000VP
IC6601
C0ZBZ0000895
FET DRIVER
HO
VB
VS
NC
HIN
LIN
GND
VCC
LO
D6601
B0HBSN000008
D6602
B0HBSN000008
D6620
B0HBSN000008
D6622
B0HBSN000008
D6624
B0HBSN000008
D6629
D6621
B0ECHP000003
D6623
B0ECHP000003
D6615
B0ECHP000003
L6618
J0JJC0000021
L6611
0.6u
L6612
0.6u
L6613
0.6u
L6614
1u
L6615
1u
L6616
1u
42INCH ONLY
37INCH ONLY
R6655
100
D6636
MA2J11100L
D6635
MAZ80330LL
R6656
100k
IC6581
C0BBBA000043
SOS DET
Q6581
2SD0601A0L
D6585
MAZ83300ML
D6586
MAZ83300ML
D6583
LNJ301MPUJA
(GREEN LED)
D6582
MAZ80510LL
R6489
4.7k
R6460
20k
D6465
MAZ83300ML
D6466
MAZ83300ML
D6468
MA2J11100L
PC6467
B3PBA0000062
TP28
TP29
TP30
TP31
TP32
TP33
TP34
TP35
R6483
7.5k
D6482
MAZ83300ML
D6481
MAZ83300ML
R6482
4.7k
D6479
MA2J11100L
PC6480
B3PBA0000062
R6499
8.2
C6490
630V
3300p
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
5
6
7
8
9

TH-37/42PWD8 SERIES
SC-Board (1 of 2) Schematic Diagram

15.51. SC-Board (2 of 2) Schematic Diagram

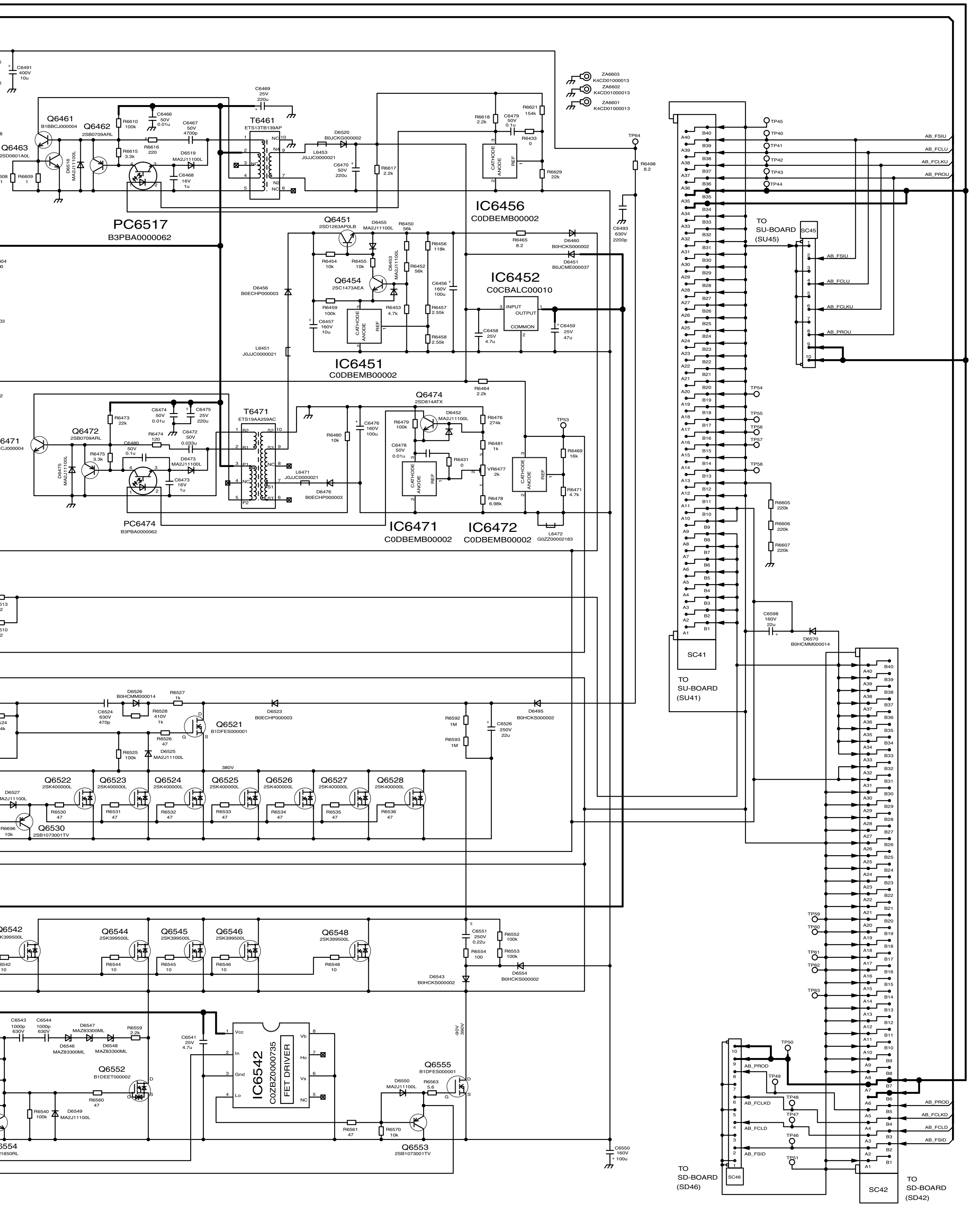


PC6505
B3PBA0000233
PC6507
B3PBA0000233
PC6509
B3PBA0000234
PC6458
B3PBA0000062
PC6510
B3PBA0000234
PC6469
B3PBA0000062
PC6503
B3PBA0000233
IC6501
C0JBAZ000994
BUFFER
IC6502
C0JBAZ000994
BUFFER
IC6491
C0DBEMB00002
IC6455
C0CBADC00075
AVR 5V
IC6454
C0CBADC00075
AVR 5V
IC6453
C0CBALC00010
AVR 15V
IC6511
C0ZBZ0000735
FET DRIVER
IC6521
C0ZBZ0000735
FET DRIVER
IC6512
C0CBADC00075
IC6543
C0CBADC00075
AVR 5V
IC6541
C0ZBZ0000735
FET DRIVER
Q6491
2SD1263AP0LB
Q6492
2SC1473AEA
Q6461
B1BBCJ000004
Q6463
2SD0601A0L
Q6471
B1BBCJ000004
Q6472
2SB0709ARL
Q6477
2SD0601A0L
Q6476
2SD0601A0L
Q6501
2SK062000L
Q6502
2SK062000L
Q6505
2SK062000L
Q6503
2SK062000L
Q6504
2SK062000L
Q6511
B1DFFM000003
Q6512
B1DFFM000003
Q6520
2SD0601A0L
Q6522
2SK400000L
Q6530
2SB1073001TV
Q6542
2SK399500L
Q6541
2SB1073001TV
Q6551
2SD0601A0L
Q6554
2SD21850RL
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AC_CPH
AA_CEL
AA_SCSU
AB_FCLD
AB_FCLU
AB_FCLKD
AB_FCLKU
AB_FSIU
AB_FSID
AB_PROU
AB_PROD
INPUT
OUTPUT
COMMON
CATHODE
ANODE
REF
15V
405V
390V
205V
1
2
3
4
5
6
7
8
9
10

SC-BOARD (2/2)
TNPA3543AB (37inch)
TNPA3543 (42inch)

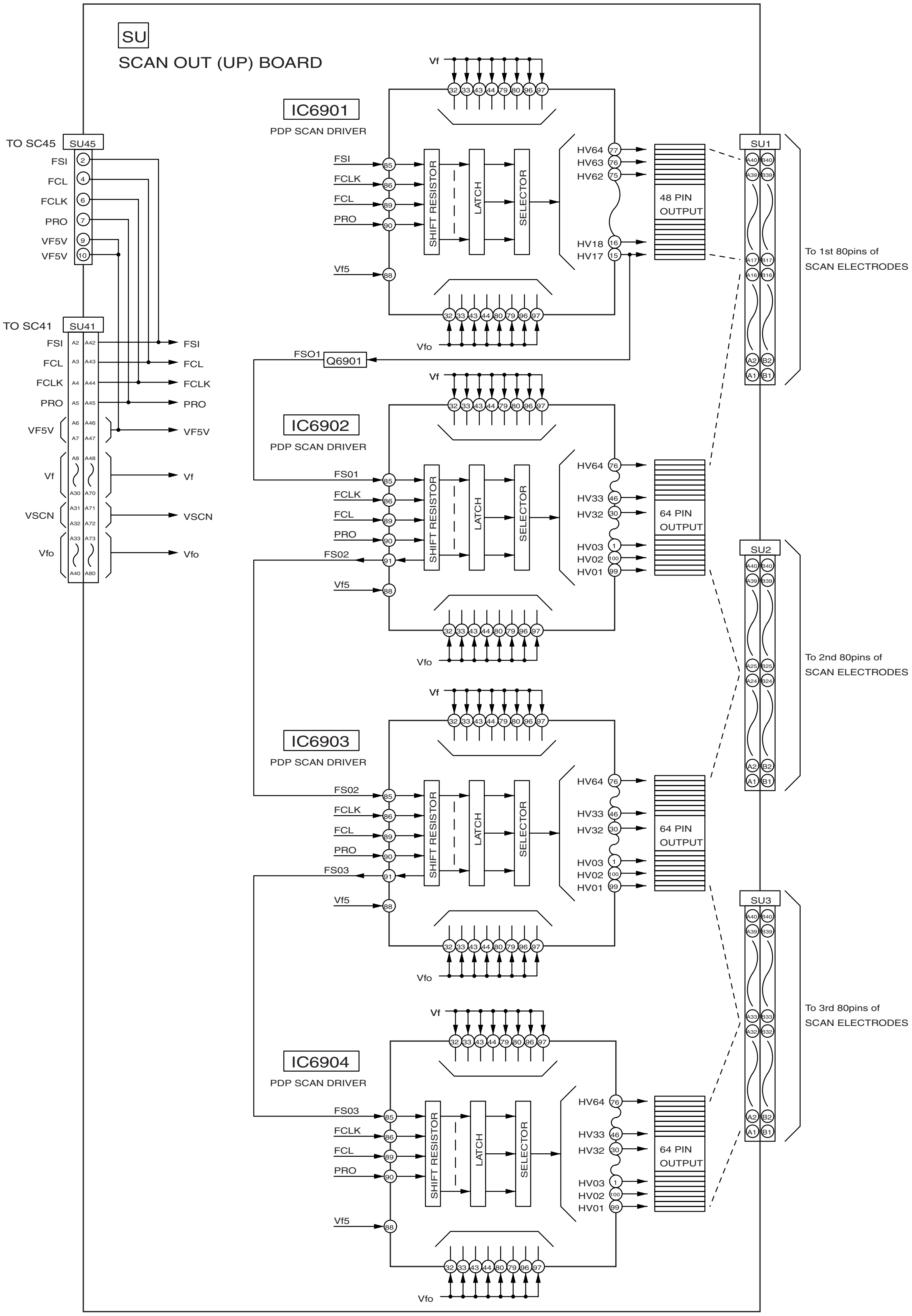
TH-37/42PWD8 SERIES SC-Board (2 of 2) Schematic Diagram

10 11 12 13 14


PC6517
B3PBA0000062
Q6461
B1BBCJ000004
Q6462
2SB0709ARL
Q6463
2SD0601A0L
T6461
ETS13TB139AP
IC6456
C0DBEMB00002
Q6451
2SD1263AP0LB
Q6454
2SC1473AEA
IC6452
C0CBALC00010
IC6451
C0DBEMB00002
Q6472
2SB0709ARL
T6471
ETS19AA259AC
Q6474
2SD814ATX
IC6471
C0DBEMB00002
IC6472
C0DBEMB00002
PC6474
B3PBA0000062
Q6521
B1DFES000001
Q6522
Q6523
Q6524
Q6525
Q6526
Q6527
Q6528
2SK400000L
Q6530
2SB1073001TV
Q6542
Q6544
Q6545
Q6546
Q6548
2SK399500L
Q6552
B1DEET000002
IC6542
C0ZBZ0000735
FET DRIVER
Q6555
B1DFES000001
Q6553
2SB1073001TV
ZA6601
ZA6602
ZA6603
K4CD01000013
SC41
TO
SU-BOARD
(SU41)
SC45
TO
SU-BOARD
(SU45)
SC46
TO
SD-BOARD
(SD46)
SC42
TO
SD-BOARD
(SD42)
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
14
15
16
17
18

TH-37/42PWD8 SERIES SC-Board (2 of 2) Schematic Diagram

15.52. SU-Board Block Diagram


SU
SCAN OUT (UP) BOARD
TO SC45
SU45
FSI
FCL
FCLK
PRO
VF5V
VF5V
TO SC41
SU41
FSI
FCL
FCLK
PRO
VF5V
Vf
VSCN
Vfo
IC6901
PDP SCAN DRIVER
IC6902
PDP SCAN DRIVER
IC6903
PDP SCAN DRIVER
IC6904
PDP SCAN DRIVER
Q6901
FSO1
FS01
FS02
FS03
SHIFT RESISTOR
LATCH
SELECTOR
Vf5
HV64
HV63
HV62
HV18
HV17
HV33
HV32
HV03
HV02
HV01
48 PIN OUTPUT
64 PIN OUTPUT
SU1
SU2
SU3
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES

TH-37/42PWD8 SERIES
SU-Board Block Diagram

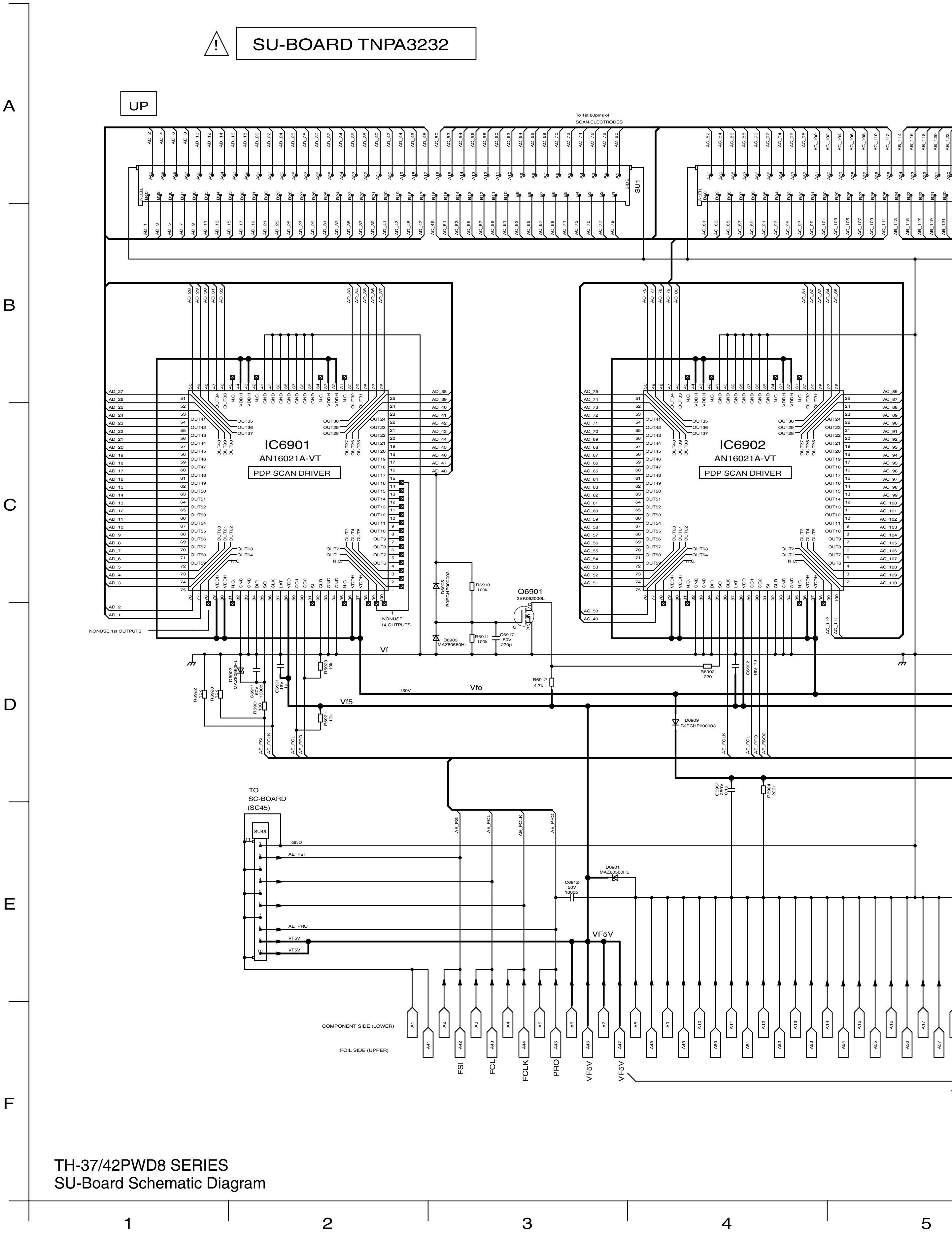
To 1st 80pins of
SCAN ELECTRODES

To 2nd 80pins of
SCAN ELECTRODES

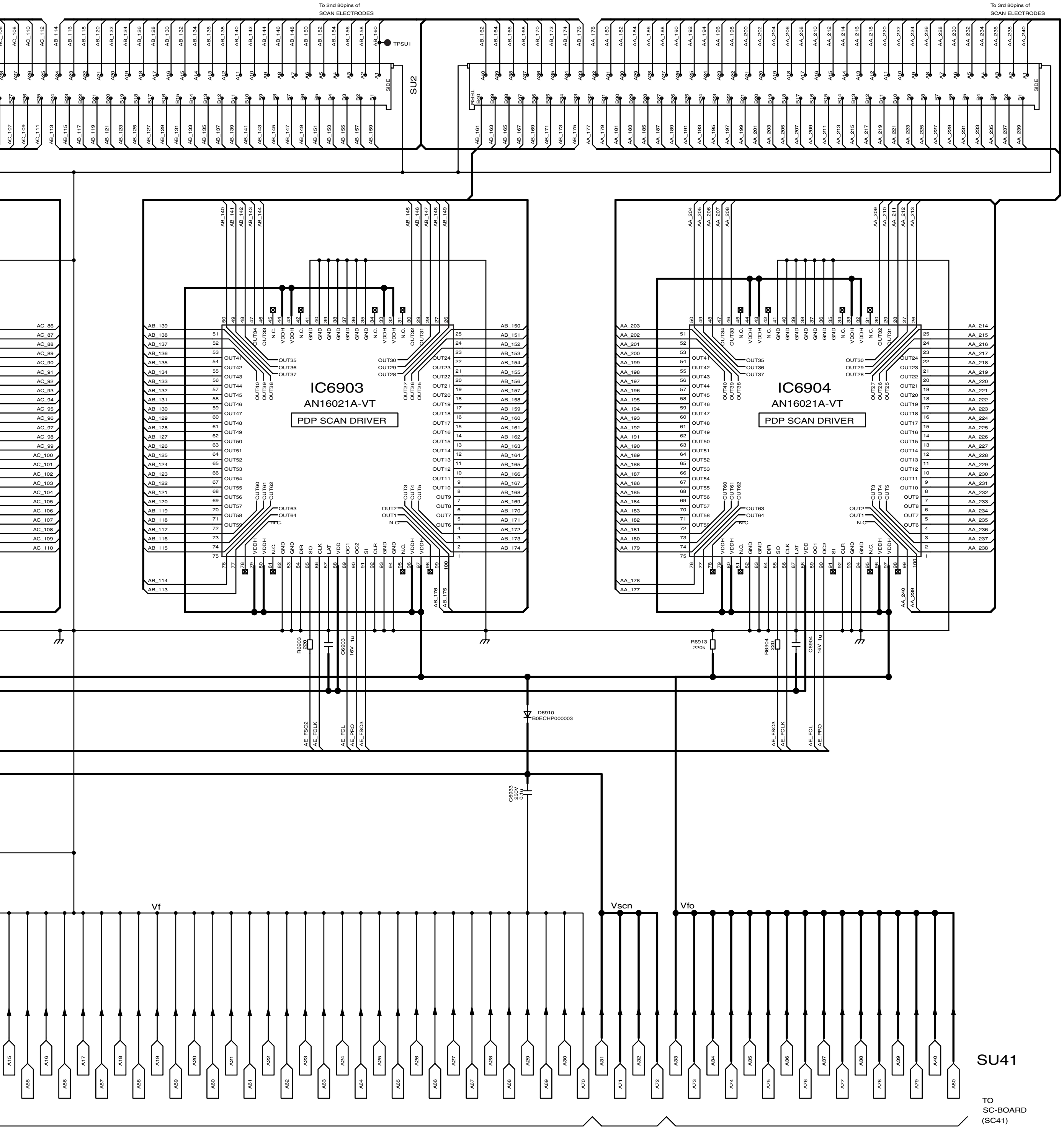
To 3rd 80pins of
SCAN ELECTRODES

TH-37/42PWD8 SERIES
SU-Board Block Diagram

15.53. SU-Board Schematic Diagram (37 inch)


SU-BOARD TNPA3232
UP
To 1st 80pins of SCAN ELECTRODES
SU1
IC6901
AN16021A-VT
PDP SCAN DRIVER
IC6902
AN16021A-VT
PDP SCAN DRIVER
NONUSE 1st OUTPUTS
NONUSE 14 OUTPUTS
Q6901
2SK062000L
D6905 B0ECHP000003
R6910 100k
R6911 100k
C6917 50V 220p
D6903 MAZ80560HL
D6902 MAZ80560HL
C6911 50V 1000p
C6901 16V 1u
R6901 100
R6922 10k
R6920 10k
R6923 10k
R6921 10k
R6912 4.7k
R6902 220
C6902 16V 1u
D6909 B0ECHP000003
C6931 250V 0.1u
R6924 220k
D6901 MAZ80560HL
C6912 50V 1000p
Vf
Vfo
Vf5
130V
VF5V
TO SC-BOARD (SC45)
SU45
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
FSI
FCL
FCLK
PRO
VF5V
VF5V
A
B
C
D
E
F
1
2
3
4
5

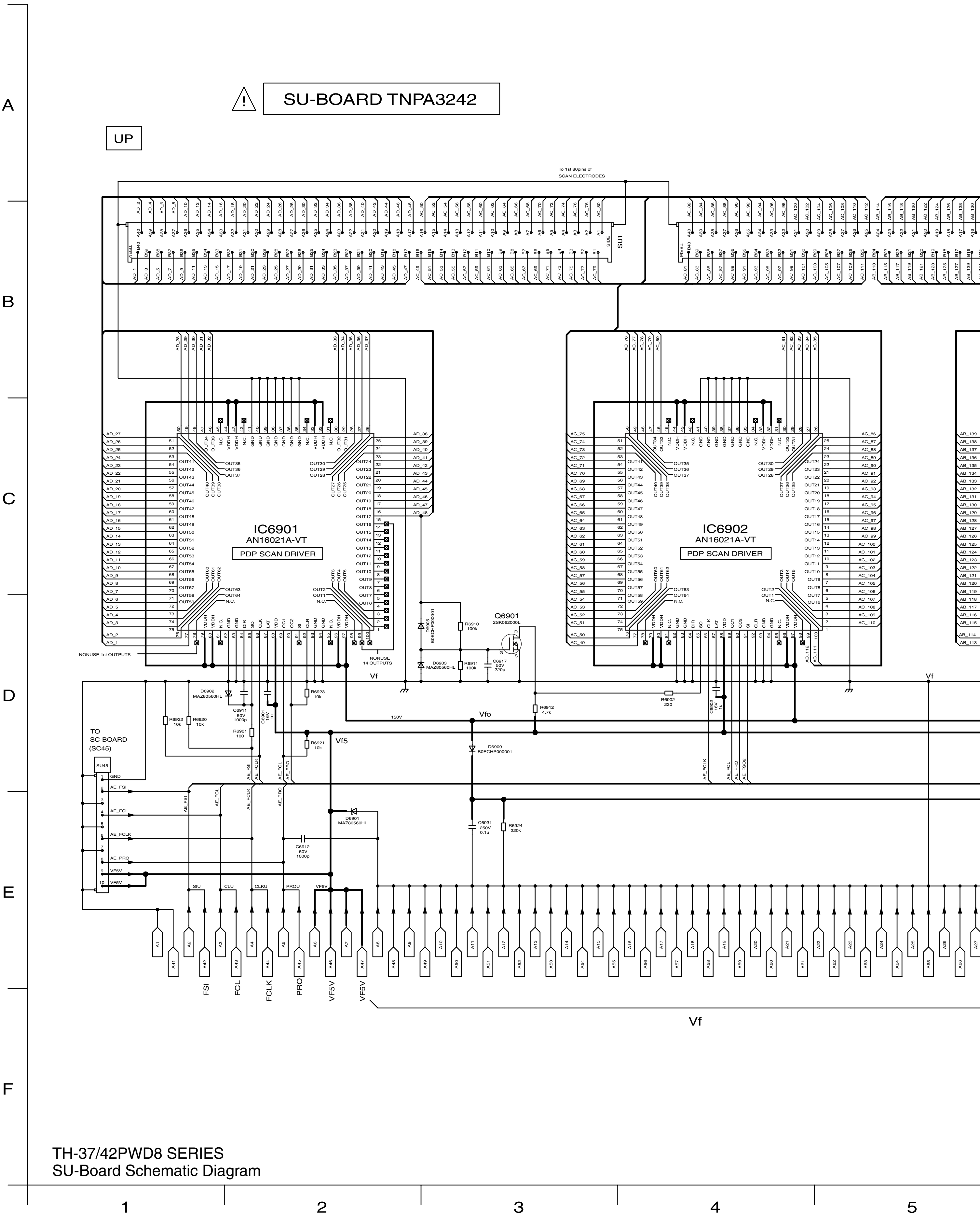
TH-37/42PWD8 SERIES
SU-Board Schematic Diagram


To 2nd 80pins of
SCAN ELECTRODES
To 3rd 80pins of
SCAN ELECTRODES
TPSU1
SU2
SU3
IC6903
AN16021A-VT
PDP SCAN DRIVER
IC6904
AN16021A-VT
PDP SCAN DRIVER
R6903
C6903
16V 1u
R6913
220k
R6904
C6904
16V 1u
D6910
B0ECHP000003
C6933
250V
0.1u
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSO3
Vf
Vscn
Vfo
SU41
TO
SC-BOARD
(SC41)

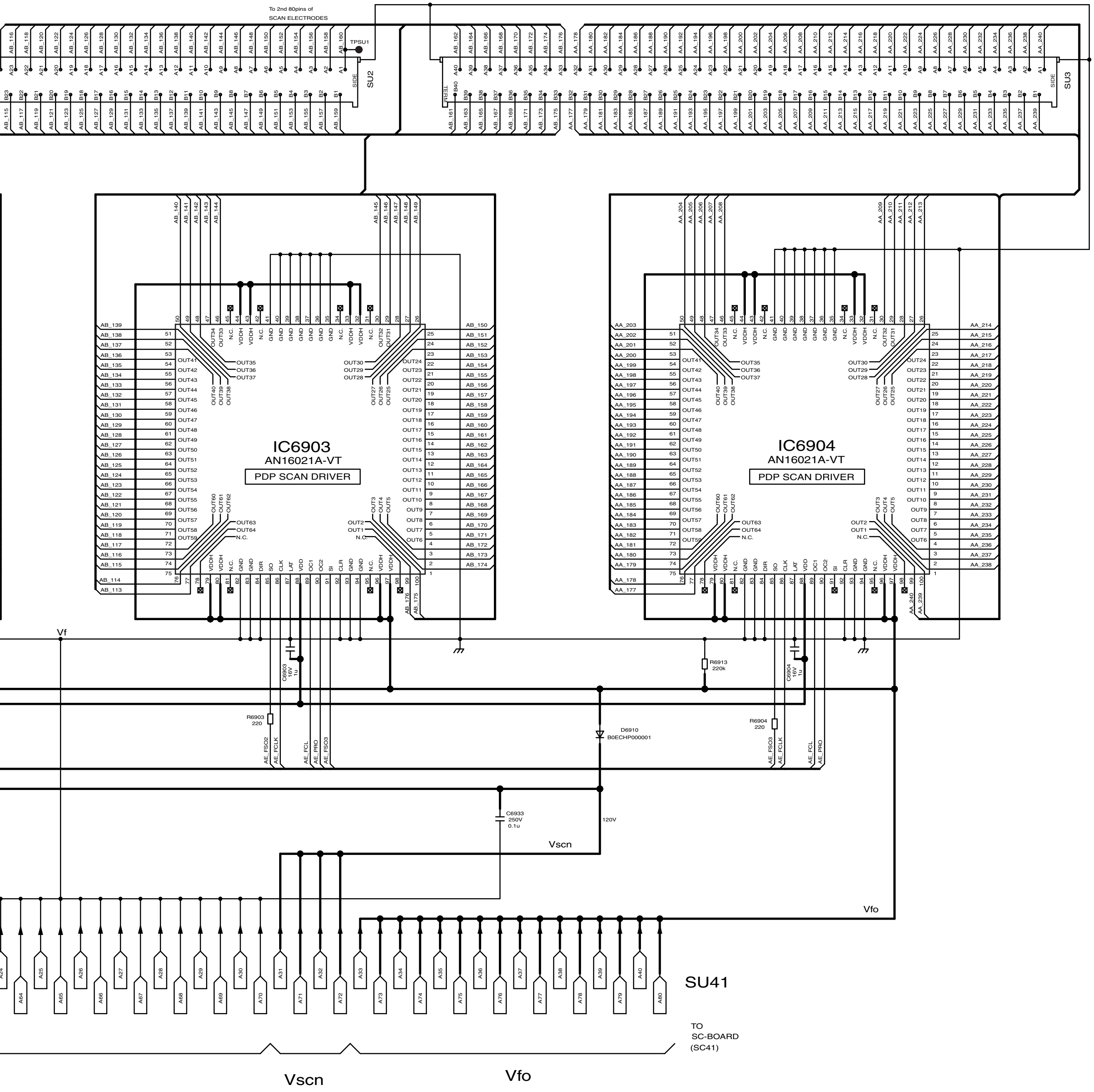
TH-37/42PWD8 SERIES
SU-Board Schematic Diagram

5 6 7 8 9

15.54. SU-Board Schematic Diagram (42 inch)


A
B
C
D
E
F
1
2
3
4
5
SU-BOARD TNPA3242
UP
To 1st 80pins of
SCAN ELECTRODES
SU1
IC6901
AN16021A-VT
PDP SCAN DRIVER
IC6902
AN16021A-VT
PDP SCAN DRIVER
NONUSE 1st OUTPUTS
NONUSE
14 OUTPUTS
Q6901
2SK062000L
D6905
B0ECHP000001
D6903
MAZ80560HL
R6910
100k
R6911
100k
C6917
50V
220p
D6902
MAZ80560HL
R6923
10k
C6911
50V
1000p
C6901
16V
1u
R6922
10k
R6920
10k
R6901
100
R6921
10k
R6912
4.7k
R6902
220
C6902
16V
1u
D6909
B0ECHP000001
D6901
MAZ80560HL
C6912
50V
1000p
C6931
250V
0.1u
R6924
220k
150V
Vf
Vfo
Vf5
TO
SC-BOARD
(SC45)
SU45
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
VF5V
SIU
CLU
CLKU
PROU
VF5V
FSI
FCL
FCLK
PRO
VF5V
VF5V
Vf

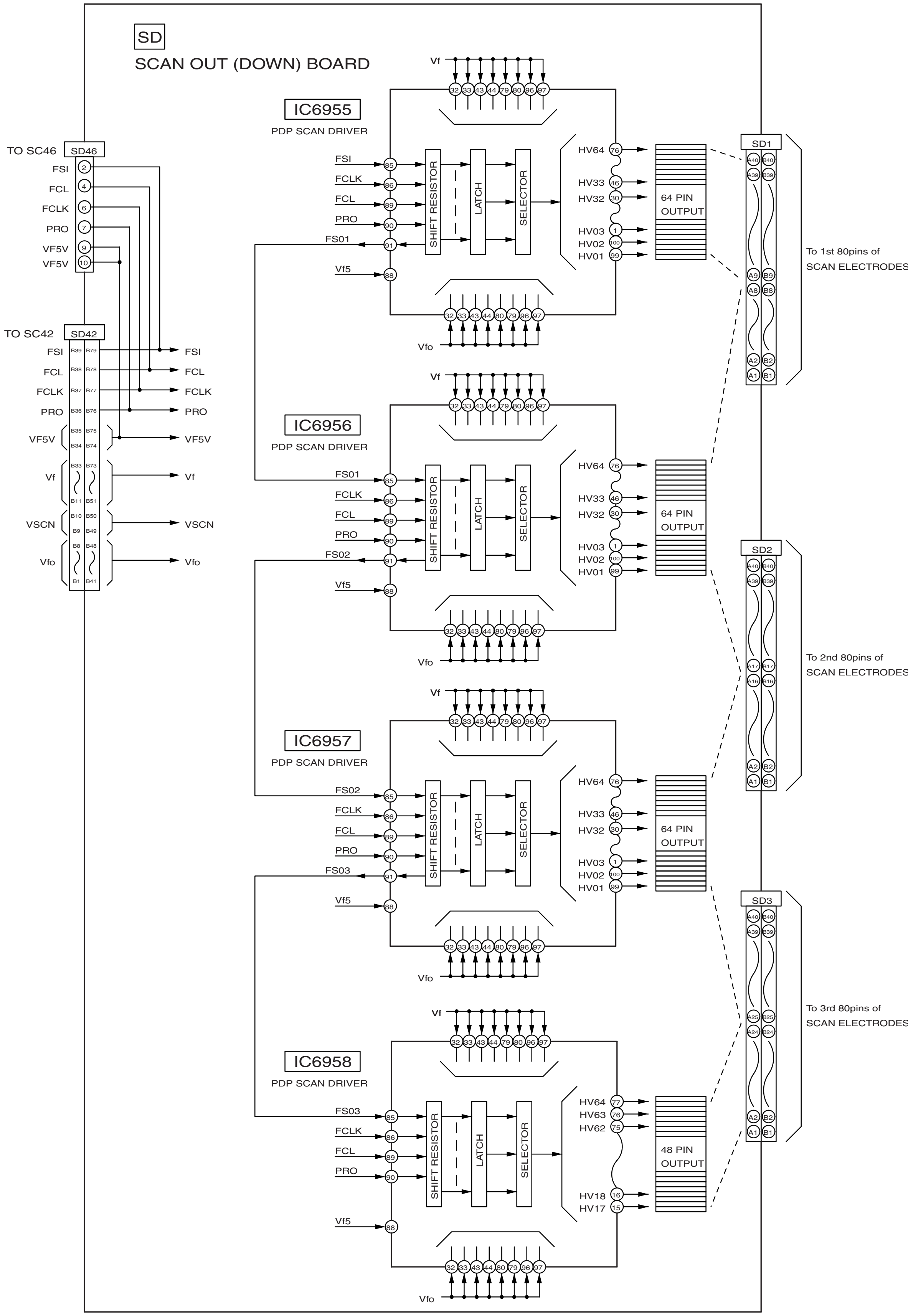
TH-37/42PWD8 SERIES
SU-Board Schematic Diagram

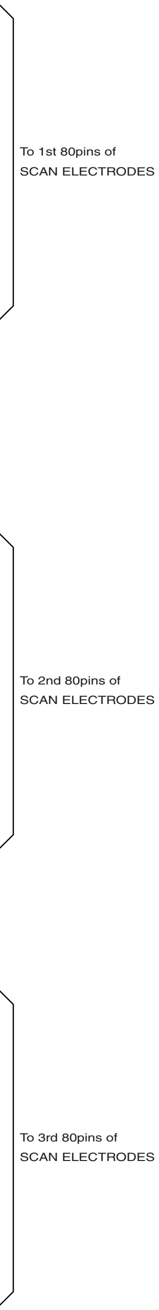

To 2nd 80pins of
SCAN ELECTRODES
TPSU1
SU2
To 3rd 80pins of
SCAN ELECTRODES
SU3
IC6903
AN16021A-VT
PDP SCAN DRIVER
IC6904
AN16021A-VT
PDP SCAN DRIVER
Vf
C6903
16V
1u
R6903
220
C6904
16V
1u
R6904
220
R6913
220k
D6910
B0ECHP000001
C6933
250V
0.1u
120V
Vscn
Vfo
SU41
TO
SC-BOARD
(SC41)
Vscn
Vfo

TH-37/42PWD8 SERIES
SU-Board Schematic Diagram

5	6	7	8	9

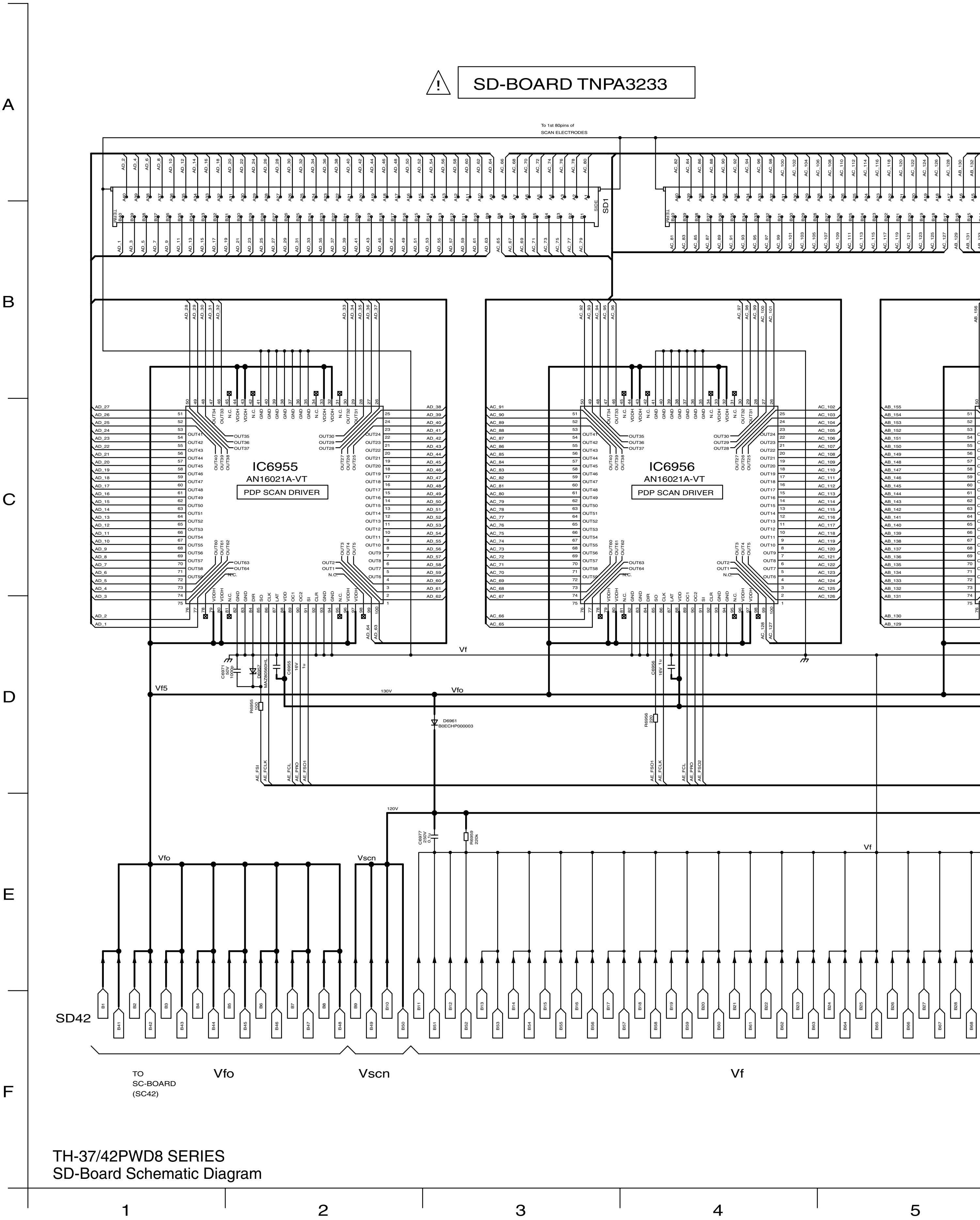
15.55. SD-Board Block Diagram


SD
SCAN OUT (DOWN) BOARD
TO SC46
SD46
FSI
FCL
FCLK
PRO
VF5V
VF5V
TO SC42
SD42
FSI
FCL
FCLK
PRO
VF5V
Vf
VSCN
Vfo
IC6955
PDP SCAN DRIVER
IC6956
PDP SCAN DRIVER
IC6957
PDP SCAN DRIVER
IC6958
PDP SCAN DRIVER
SHIFT RESISTOR
LATCH
SELECTOR
FS01
FS02
FS03
Vf5
Vf
Vfo
HV64
HV63
HV62
HV33
HV32
HV18
HV17
HV03
HV02
HV01
64 PIN OUTPUT
48 PIN OUTPUT
SD1
SD2
SD3
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES

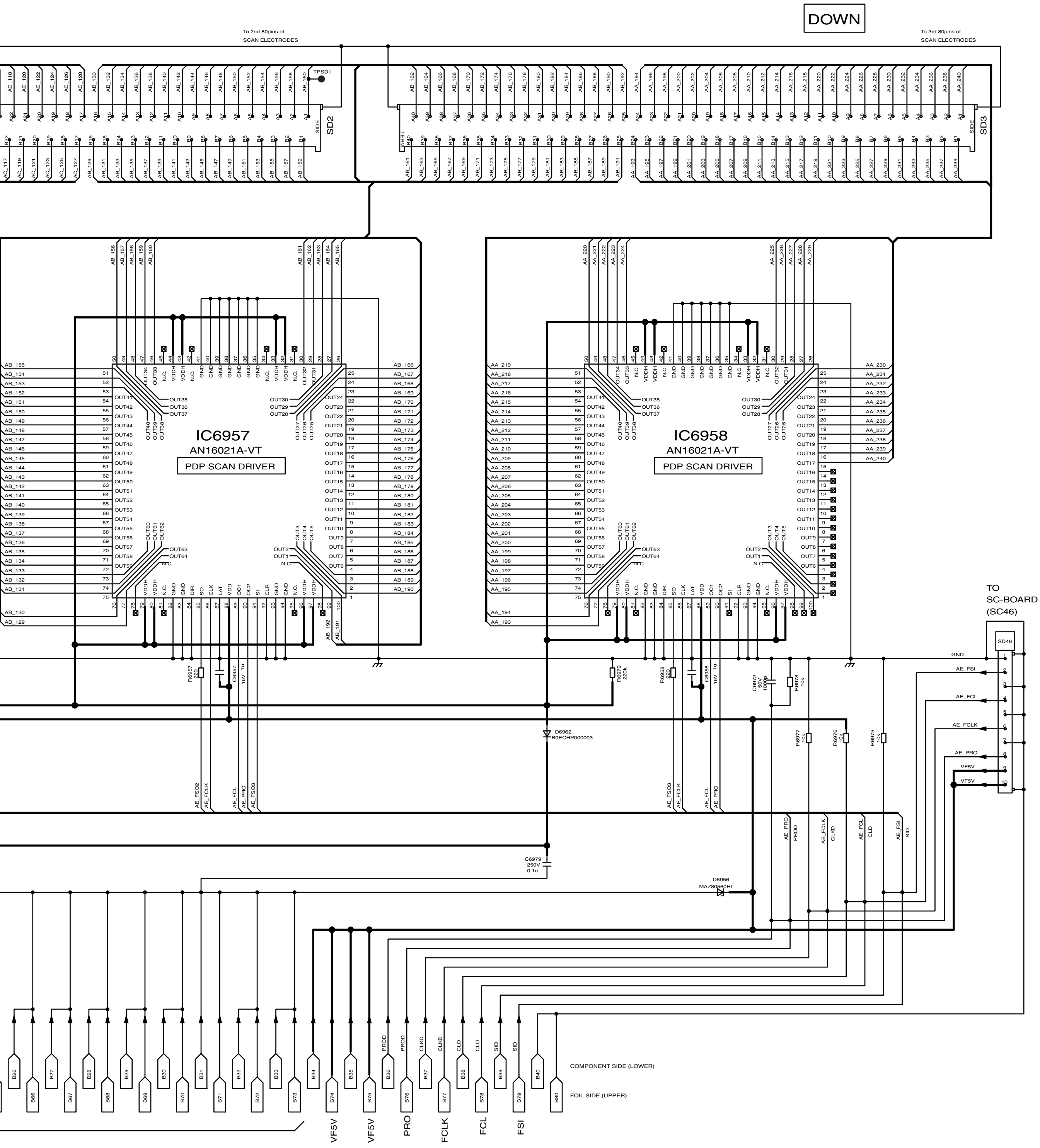

To 1st 80pins of
SCAN ELECTRODES
To 2nd 80pins of
SCAN ELECTRODES
To 3rd 80pins of
SCAN ELECTRODES

TH-37/42PWD8 SERIES
SD-Board Block Diagram

15.56. SD-Board Schematic Diagram (37 inch)


SD-BOARD TNPA3233
To 1st 80pins of
SCAN ELECTRODES
SD1
IC6955
AN16021A-VT
PDP SCAN DRIVER
IC6956
AN16021A-VT
PDP SCAN DRIVER
Vf
Vf5
Vfo
130V
120V
D6961
B0ECHP000003
Vscn
SD42
TO
SC-BOARD
(SC42)
Vfo
Vscn
Vf
A
B
C
D
E
F
1
2
3
4
5

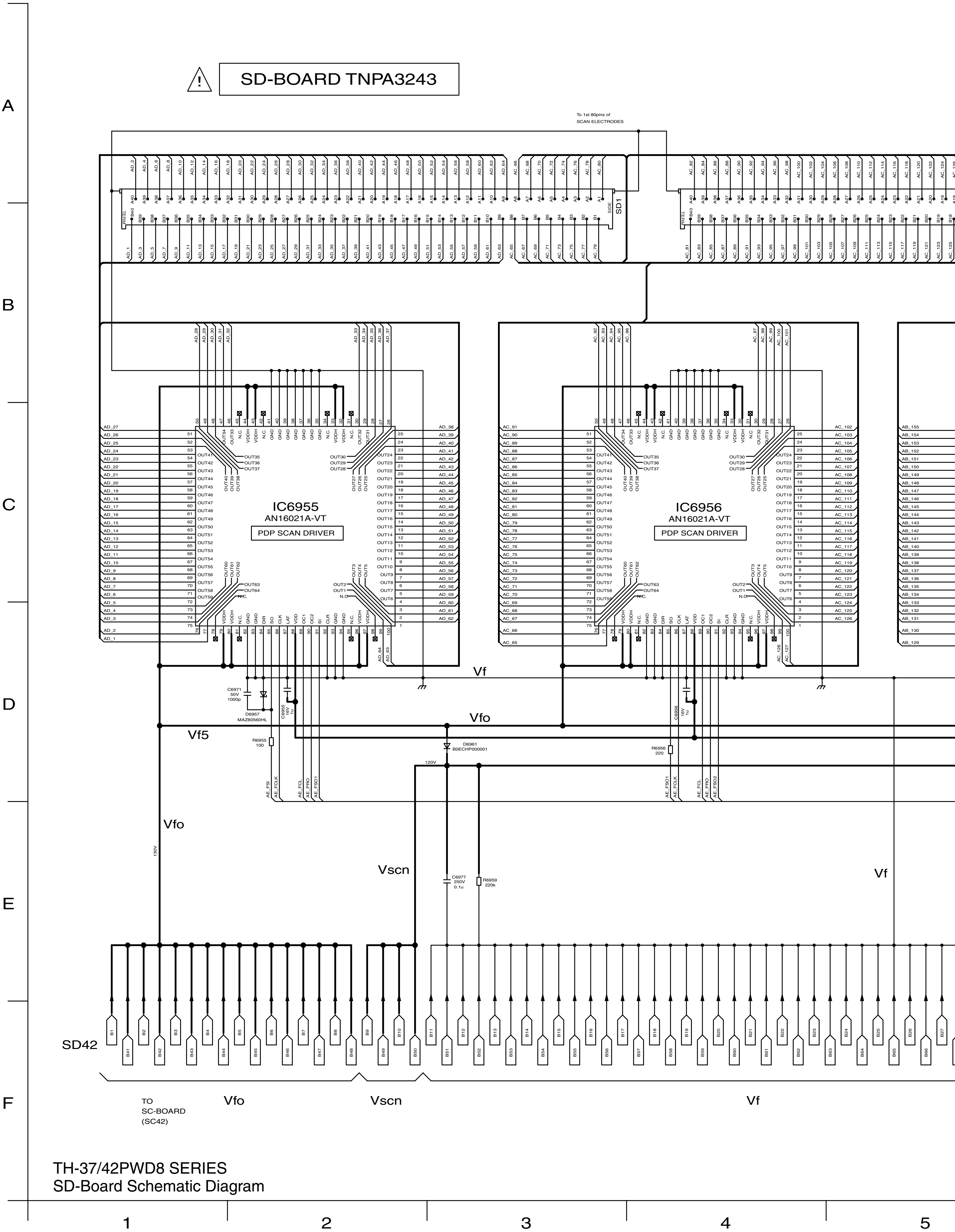
TH-37/42PWD8 SERIES
SD-Board Schematic Diagram


DOWN
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES
TPSD1
SD2
SD3
SIDE
IC6957
AN16021A-VT
PDP SCAN DRIVER
IC6958
AN16021A-VT
PDP SCAN DRIVER
TO SC-BOARD (SC46)
SD46
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
VF5V
R6957 220
C6957 16V 1u
R6979 220k
R6958 220
C6958 16V 1u
C6972 50V 1000p
R6978 10k
R6977 10k
R6976 10k
R6975 10k
D6962 B0ECHP000003
C6979 250V 0.1u
D6956 MAZ80560HL
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSO3
PROD
CLKD
CLD
SID
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
VF5V
VF5V
PRO
FCLK
FCL
FSI

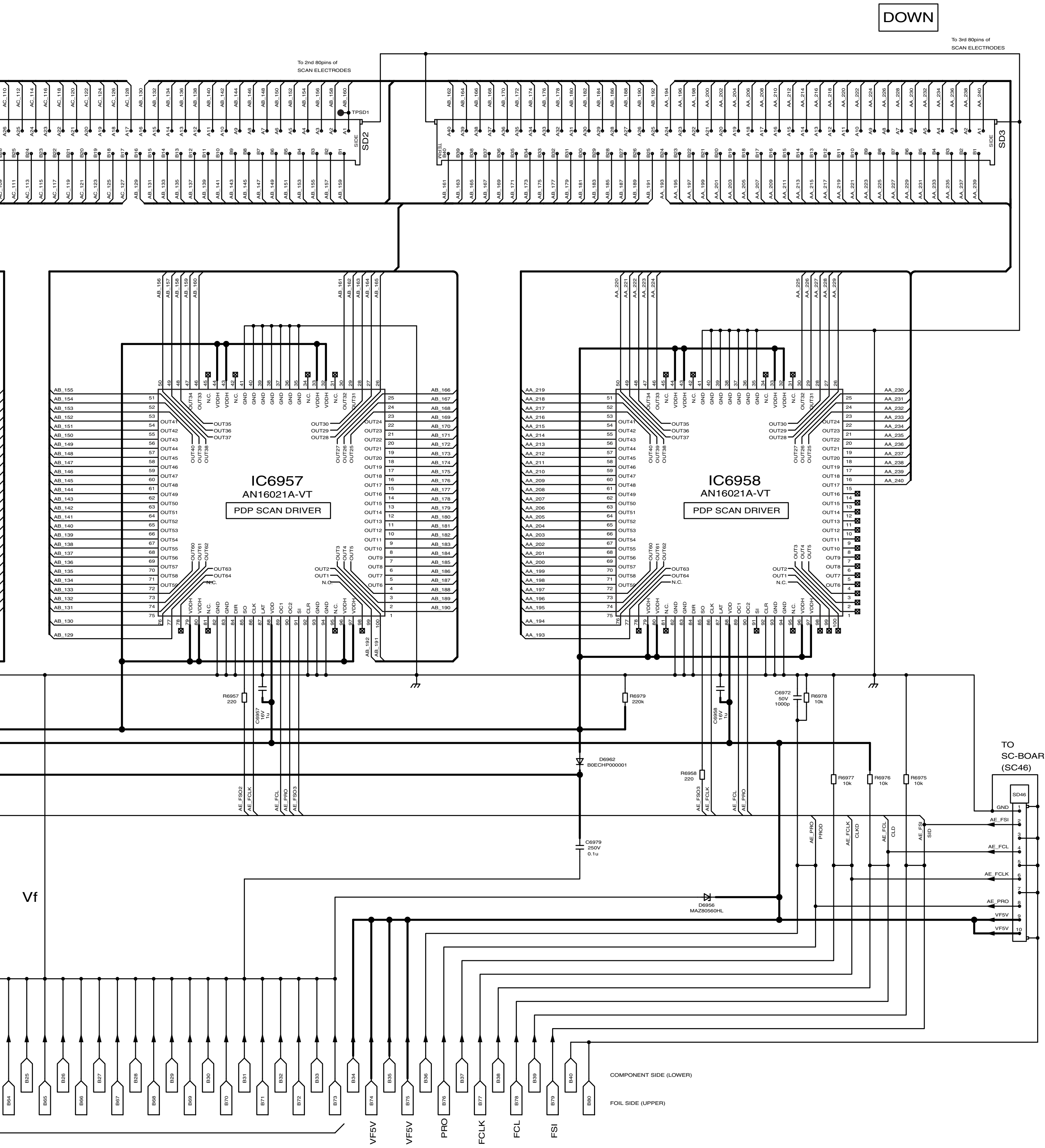
TH-37/42PWD8 SERIES
SD-Board Schematic Diagram

5 6 7 8 9

15.57. SD-Board Schematic Diagram (42 inch)


A
B
C
D
E
F
1
2
3
4
5
SD-BOARD TNPA3243
To 1st 80pins of SCAN ELECTRODES
SD1
IC6955
AN16021A-VT
PDP SCAN DRIVER
IC6956
AN16021A-VT
PDP SCAN DRIVER
Vf
Vfo
Vf5
Vscn
120V
130V
C6971 50V 1000p
D6957 MAZ80560HL
C6955 16V 1u
R6955 100
D6961 B0ECHP000001
C6956 16V 1u
R6956 220
C6977 250V 0.1u
R6959 220k
AE_FSI
AE_FCLK
AE_FCL
AE_PRO
AE_FSO1
AE_FSO2
SD42
TO SC-BOARD (SC42)
Vfo
Vscn
Vf

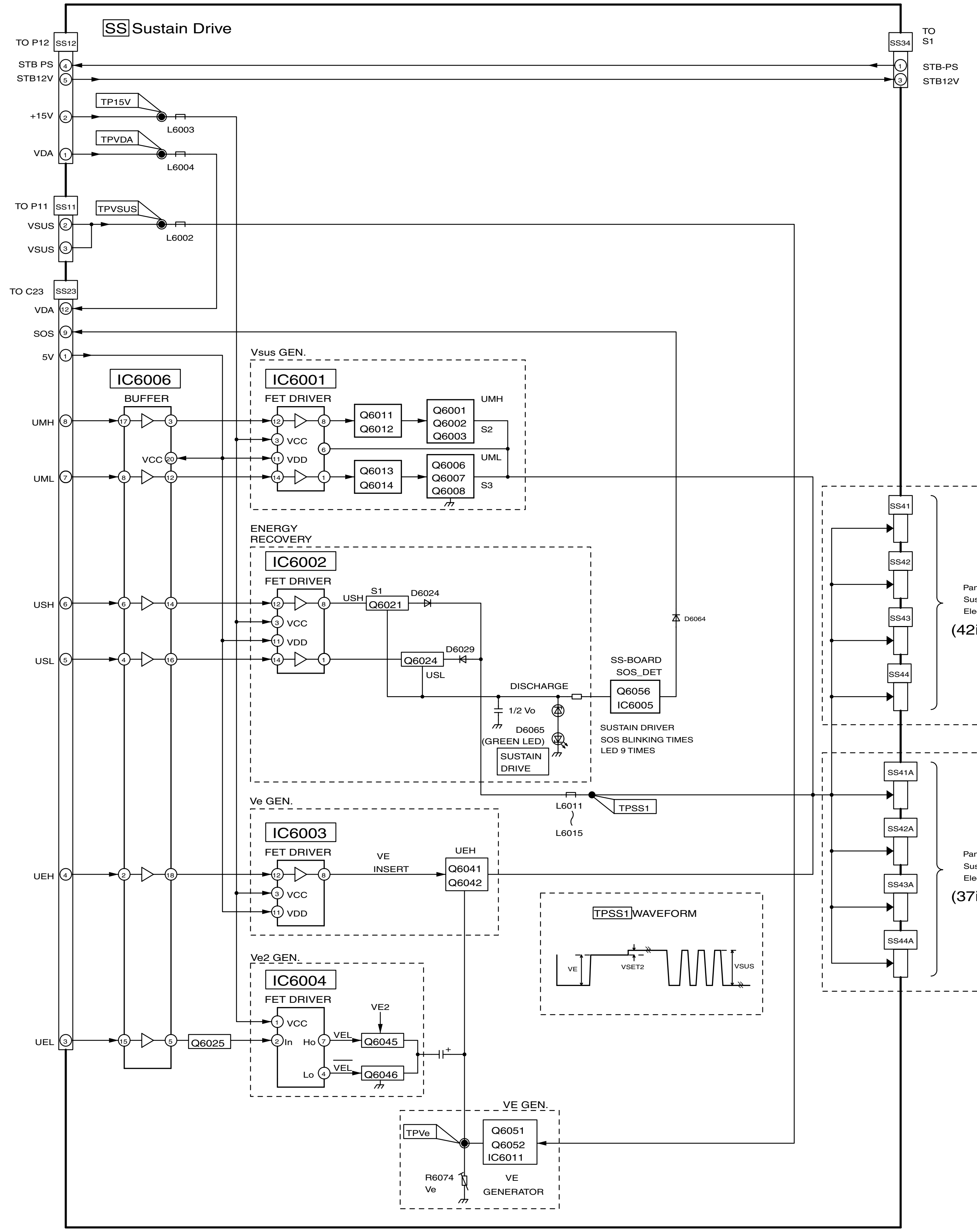
TH-37/42PWD8 SERIES
SD-Board Schematic Diagram


DOWN
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES
TPSD1
SD2
SD3
IC6957
AN16021A-VT
PDP SCAN DRIVER
IC6958
AN16021A-VT
PDP SCAN DRIVER
R6957 220
C6957 16V 1u
R6979 220k
C6958 16V 1u
C6972 50V 1000p
R6978 10k
R6958 220
D6962 B0ECHP000001
C6979 250V 0.1u
R6977 10k
R6976 10k
R6975 10k
D6956 MAZ80560HL
TO SC-BOARD (SC46)
SD46
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
VF5V
VF5V
Vf
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
VF5V
VF5V
PRO
FCLK
FCL
FSI

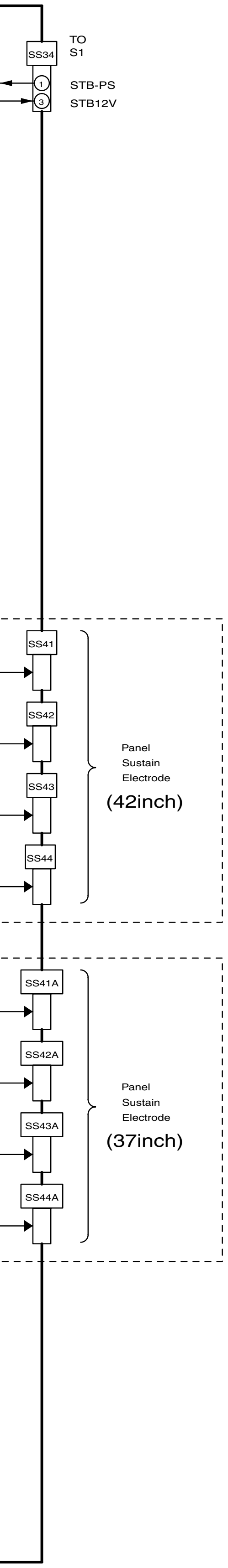
TH-37/42PWD8 SERIES
SD-Board Schematic Diagram

5 6 7 8 9

15.58. SS-Board Block Diagram

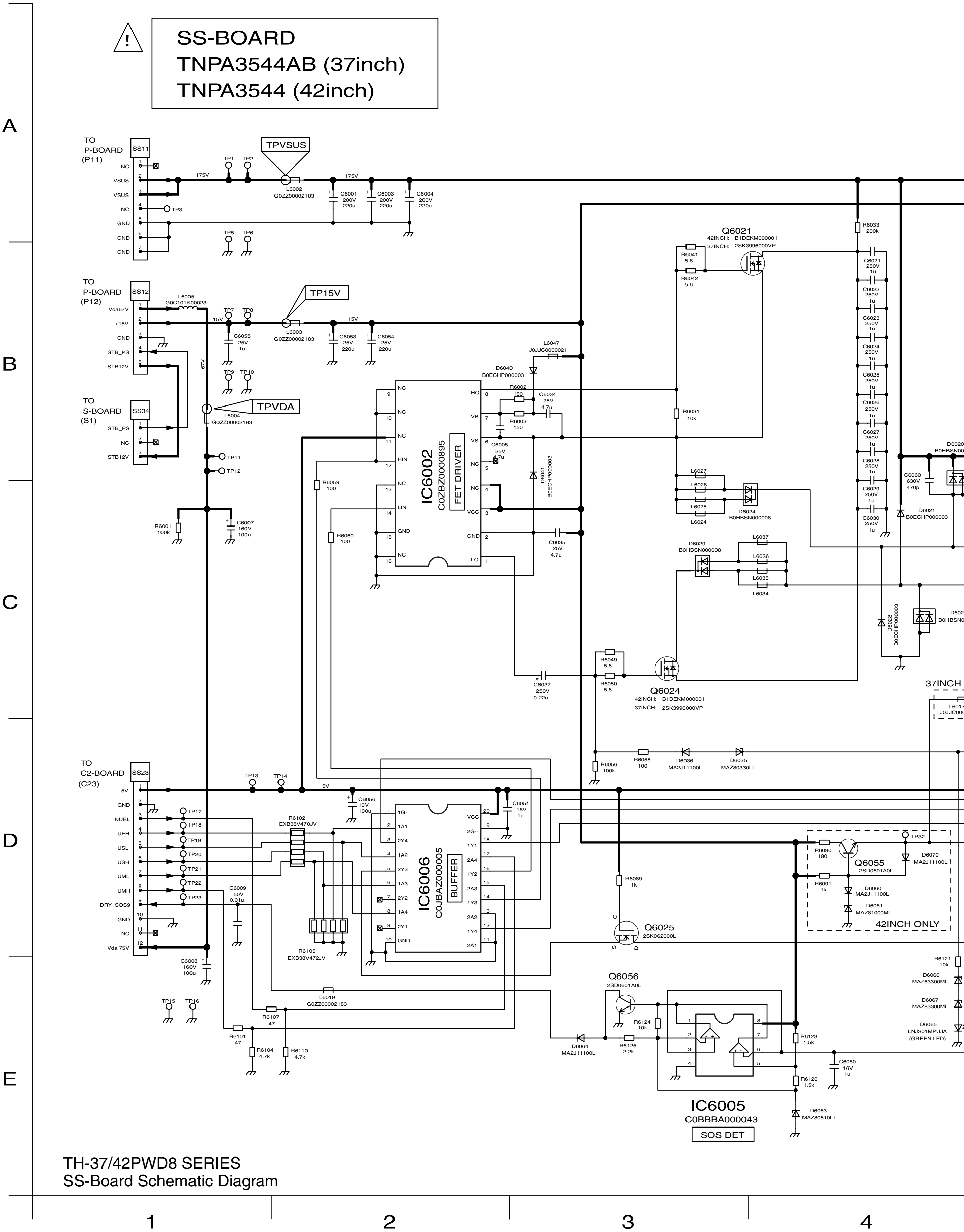

SS Sustain Drive
TO P12
SS12
STB PS
STB12V
+15V
VDA
TP15V
L6003
TPVDA
L6004
TO P11
SS11
VSUS
VSUS
TPVSUS
L6002
TO C23
SS23
VDA
SOS
5V
TO S1
SS34
STB-PS
STB12V
IC6006
BUFFER
UMH
UML
VCC
USH
USL
UEH
UEL
Vsus GEN.
IC6001
FET DRIVER
VCC
VDD
Q6011
Q6012
Q6001
Q6002
Q6003
UMH
S2
Q6013
Q6014
Q6006
Q6007
Q6008
UML
S3
ENERGY RECOVERY
IC6002
FET DRIVER
VCC
VDD
USH
S1
Q6021
D6024
Q6024
D6029
USL
DISCHARGE
1/2 Vo
D6065
(GREEN LED)
SUSTAIN DRIVE
D6064
SS-BOARD SOS_DET
Q6056
IC6005
SUSTAIN DRIVER
SOS BLINKING TIMES
LED 9 TIMES
L6011
L6015
TPSS1
Ve GEN.
IC6003
FET DRIVER
VCC
VDD
VE INSERT
UEH
Q6041
Q6042
TPSS1 WAVEFORM
VE
VSET2
VSUS
Ve2 GEN.
IC6004
FET DRIVER
VCC
In
Ho
Lo
VE2
VEL
VEL
Q6045
Q6046
Q6025
VE GEN.
TPVe
Q6051
Q6052
IC6011
R6074
Ve
VE GENERATOR
SS41
SS42
SS43
SS44
(42
SS41A
SS42A
SS43A
SS44A
(37

TH-37/42PWD8 SERIES
SS-Board Block Diagram


SS34
TO
S1
1
STB-PS
3
STB12V
SS41
SS42
SS43
SS44
Panel
Sustain
Electrode
(42inch)
SS41A
SS42A
SS43A
SS44A
Panel
Sustain
Electrode
(37inch)

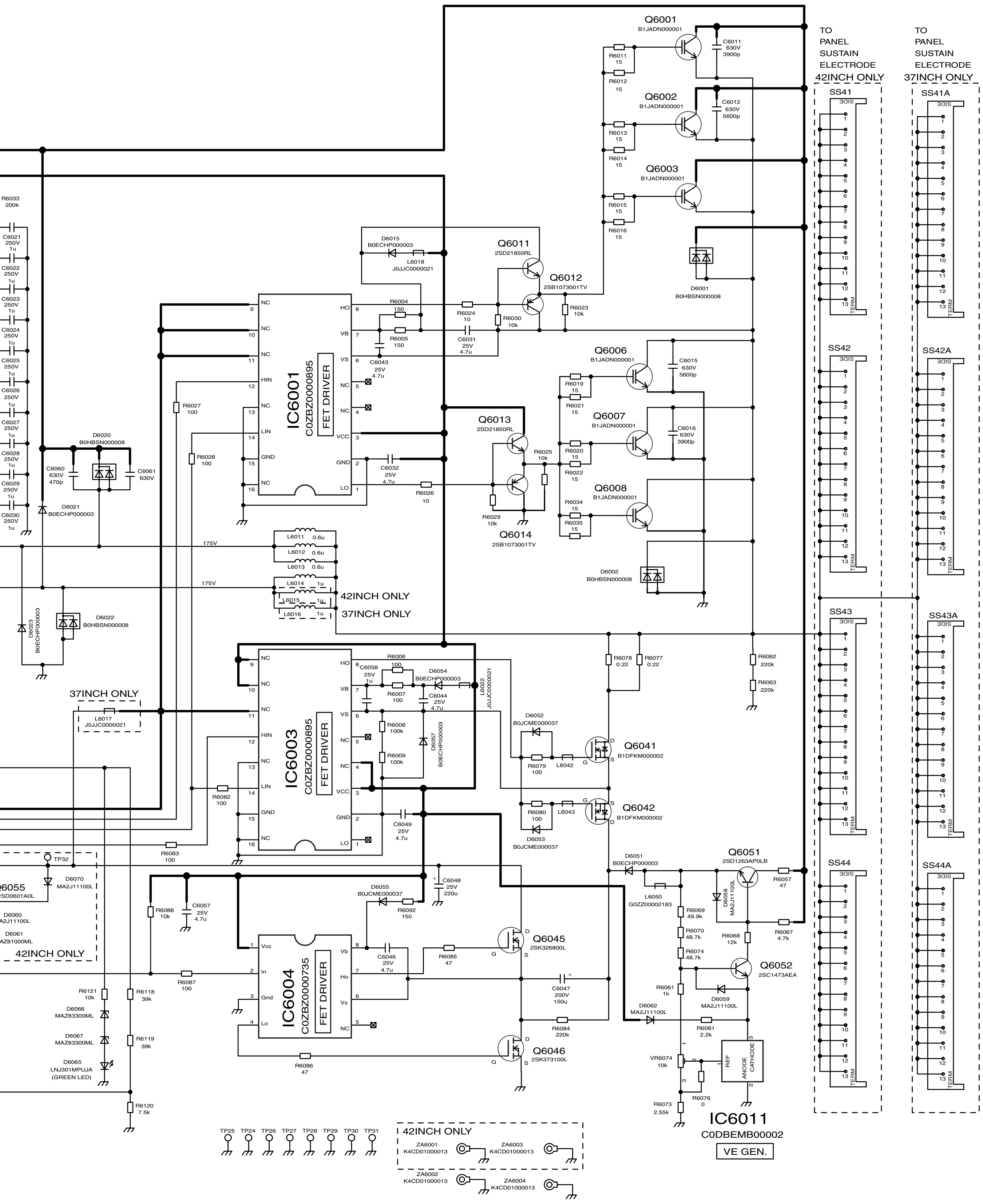
TH-37/42PWD8 SERIES
SS-Board Block Diagram

15.59. SS-Board Schematic Diagram

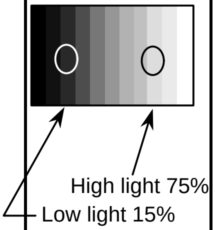


SS-BOARD
TNPA3544AB (37inch)
TNPA3544 (42inch)
TO P-BOARD (P11)
SS11
NC
VSUS
VSUS
NC
GND
GND
GND
TP3
TPVSUS
TP1
TP2
175V
L6002
G0ZZ00002183
C6001 200V 220u
C6003 200V 220u
C6004 200V 220u
TP5
TP6
TO P-BOARD (P12)
SS12
Vda67V
+15V
GND
STB_PS
STB12V
L6005
G0C101K00023
TP15V
TP7
TP8
15V
C6055 25V 1u
L6003
G0ZZ00002183
C6053 25V 220u
C6054 25V 220u
67V
TP9
TP10
TO S-BOARD (S1)
SS34
STB_PS
NC
STB12V
TPVDA
L6004
G0ZZ00002183
TP11
TP12
R6001 100k
C6007 160V 100u
L6047
J0JJC0000021
D6040
B0ECHP000003
R6002 150
C6034 25V 4.7u
R6003 150
C6005 25V 4.7u
D6041
B0ECHP000003
IC6002
C0ZBZ0000895
FET DRIVER
NC
NC
NC
HIN
NC
LIN
GND
NC
HO
VB
VS
NC
NC
VCC
GND
LO
R6059 100
R6060 100
C6035 25V 4.7u
C6037 250V 0.22u
Q6021
42INCH: B1DEKM000001
37INCH: 2SK3996000VP
R6041 5.6
R6042 5.6
R6031 10k
R6033 200k
C6021 250V 1u
C6022 250V 1u
C6023 250V 1u
C6024 250V 1u
C6025 250V 1u
C6026 250V 1u
C6027 250V 1u
C6028 250V 1u
C6029 250V 1u
C6030 250V 1u
C6060 630V 470p
D6020 B0HBSN00
D6021 B0ECHP000003
L6027
L6026
L6025
L6024
D6024
B0HBSN000008
D6029
B0HBSN000008
L6037
L6036
L6035
L6034
D6023
B0ECHP000003
D602
B0HBSN0
R6049 5.6
R6050 5.6
Q6024
42INCH: B1DEKM000001
37INCH: 2SK3996000VP
37INCH
L6017
J0JJC00
R6056 100k
R6055 100
D6036
MA2J11100L
D6035
MAZ80330LL
TO C2-BOARD (C23)
SS23
5V
GND
NUEL
UEH
USL
USH
UML
UMH
DRY_SOS9
GND
NC
Vda 75V
TP13
TP14
TP17
TP18
TP19
TP20
TP21
TP22
TP23
R6102
EXB38V470JV
C6056 10V 100u
C6051 16V 1u
C6009 50V 0.01u
IC6006
C0JBAZ000005
BUFFER
1G-
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
VCC
2G-
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
R6105
EXB38V472JV
C6008 160V 100u
TP15
TP16
L6019
G0ZZ00002183
R6107 47
R6101 47
R6104 4.7k
R6110 4.7k
R6089 1k
Q6025
2SK062000L
Q6056
2SD0601A0L
R6124 10k
R6125 2.2k
D6064
MA2J11100L
IC6005
C0BBBA000043
SOS DET
R6123 1.5k
R6126 1.5k
C6050 16V 1u
D6063
MAZ80510LL
TP32
R6090 180
R6091 1k
Q6055
2SD0601A0L
D6070
MA2J11100L
D6060
MA2J11100L
D6061
MAZ81000ML
42INCH ONLY
R6121 10k
D6066
MAZ83300ML
D6067
MAZ83300ML
D6065
LNJ301MPUJA
(GREEN LED)
A
B
C
D
E
1
2
3
4

TH-37/42PWD8 SERIES
SS-Board Schematic Diagram


Q6001
B1JADN000001
C6011
630V
3900p
R6011
15
R6012
15
Q6002
B1JADN000001
C6012
630V
5600p
R6013
15
R6014
15
Q6003
B1JADN000001
R6015
15
R6016
15
TO
PANEL
SUSTAIN
ELECTRODE
42INCH ONLY
TO
PANEL
SUSTAIN
ELECTRODE
37INCH ONLY
SS41
SS41A
SS42
SS42A
SS43
SS43A
SS44
SS44A
SIDE
TERM
D6001
B0HBSN000008
D6015
B0ECHP000003
L6018
J0JJC0000021
Q6011
2SD21850RL
Q6012
2SB1073001TV
R6004
150
R6005
150
R6024
10
R6030
10k
R6023
10k
C6031
25V
4.7u
C6043
25V
4.7u
IC6001
C0ZBZ0000895
FET DRIVER
NC
HO
VB
VS
HIN
LIN
GND
VCC
LO
R6033
200k
C6021
250V
1u
C6022
250V
1u
C6023
250V
1u
C6024
250V
1u
C6025
250V
1u
C6026
250V
1u
C6027
250V
1u
C6028
250V
1u
C6029
250V
1u
C6030
250V
1u
R6027
100
R6028
100
D6020
B0HBSN000008
C6060
630V
470p
C6061
630V
D6021
B0ECHP000003
C6032
25V
4.7u
R6026
10
Q6013
2SD21850RL
R6025
10k
R6029
10k
Q6014
2SB1073001TV
Q6006
B1JADN000001
C6015
630V
5600p
R6019
15
R6021
15
Q6007
B1JADN000001
C6016
630V
3900p
R6020
15
R6022
15
Q6008
B1JADN000001
R6034
15
R6035
15
D6002
B0HBSN000008
175V
L6011 0.6u
L6012 0.6u
L6013 0.6u
L6014 1u
L6015 1u
L6016 1u
42INCH ONLY
37INCH ONLY
D6023
B0ECHP000003
D6022
B0HBSN000008
37INCH ONLY
L6017
J0JJC0000021
IC6003
C0ZBZ0000895
FET DRIVER
R6006
100
C6058
25V
1u
D6054
B0ECHP000003
R6007
100
C6044
25V
4.7u
L6022
J0JJC0000021
R6008
100k
R6009
100k
D6057
B0ECHP000003
R6082
100
R6083
100
C6049
25V
4.7u
D6052
B0JCME000037
R6079
100
L6042
Q6041
B1DFKM000002
R6080
100
L6043
Q6042
B1DFKM000002
D6053
B0JCME000037
R6078
0.22
R6077
0.22
R6062
220k
R6063
220k
TP32
6055
2SD0601A0L
D6070
MA2J11100L
D6060
MA2J11100L
D6061
MAZ81000ML
42INCH ONLY
R6088
10k
C6057
25V
4.7u
D6055
B0JCME000037
C6048
25V
220u
R6092
150
IC6004
C0ZBZ0000735
FET DRIVER
Vcc
In
Gnd
Lo
Vb
Ho
Vs
NC
C6046
25V
4.7u
R6085
47
Q6045
2SK326800L
R6087
100
C6047
200V
150u
R6084
220k
Q6046
2SK373100L
R6086
47
R6121
10k
D6066
MAZ83300ML
D6067
MAZ83300ML
D6065
LNJ301MPUJA
(GREEN LED)
R6118
39k
R6119
39k
R6120
7.5k
D6051
B0ECHP000003
L6050
G0ZZ00002183
Q6051
2SD1263AP0LB
D6058
MA2J11100L
R6057
47
R6069
49.9k
R6070
48.7k
R6074
48.7k
R6068
12k
R6067
4.7k
Q6052
2SC1473AEA
R6061
1k
D6059
MA2J11100L
D6062
MA2J11100L
R6081
2.2k
VR6074
10k
REF
ANODE
CATHODE
R6073
2.55k
R6076
0
IC6011
C0DBEMB00002
VE GEN.
TP25
TP24
TP26
TP27
TP28
TP29
TP30
TP31
42INCH ONLY
ZA6001
K4CD01000013
ZA6003
K4CD01000013
ZA6002
K4CD01000013
ZA6004
K4CD01000013

TH-37/42PWD8 SERIES
SS-Board Schematic Diagram

<table>
<tr><th></th><th>INPUT</th><th>Equipment</th><th>Setting</th><th>Alignment menu</th><th>Procedure</th></tr>
<tr><td>1</td><td rowspan="3">PC (VGA)
Gray Scale
Pattern
 </td><td rowspan="3">Color
Analyzer</td><td>Picture menu:
Standard
Picture:
25
White balance:
Cool
Aspect:
Full
Component/
RGB-IN Select:
RGB
IIC mode:
Panel W/B Adj
Color
temprature:
High</td><td>PANEL W/B
G Drive
PANEL W/B
B Drive
R Drive
PANEL W/B
R,G,B Drive
R,G,B Drive
PANEL W/B
R,G,B cut off</td><td>Note: · Before adjustment, color signal has not been displayed on panel.
· The pedestal adjustment has been done.
· The signal root must be A side.
1) Set G cut off to " 80 ".
2)Find 75% (amplitude) of white area by color sensor.
3) Set G Drive to " E0 ".
4) Adjust B and R Drive to set the High color temperature as shown Table 1.
5) Increase equaly R, G and B Drive to get the largest level of 3 color drive to "FC".
<table><tr><th>Color Temp.</th><th>x</th><th>y</th></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table>Table 1 W/B adjustment value</td></tr>
<tr><td>2</td><td>Picture menu:
Standard
White balance:
Normal
Aspect:
Full</td><td>PANEL W/B
R,G,B cut off
PANEL W/B
R,G,B Drive</td><td>1) Change white balance to "Normal".
2) In Mid color temperature, repeat the procedures 1) to 5) of Cool mode.</td></tr>
<tr><td>3</td><td>Picture menu:
Standard
White balance:
Warm
Aspect:
Full</td><td>PANEL W/B
R,G,B cut off
PANEL W/B
R,G,B Drive</td><td>1) Change white balance to "Warm".
2) In Low color temperature, repeat the procedures 1) to 5) of Cool mode.</td></tr>
<tr><td>4</td><td>· NTSC
· PAL
· DVI</td><td></td><td></td><td></td><td>1) Copy the R drive, G drive and B drive data obtained in above steps into NTSC, PAL and DVI area.</td></tr>
</table>

Color temperature	R	G	B
High	A0-11AD	A0-11AE	A0-11AF
Medium	A0-11B0	A0-11B1	A0-11B2
Low	A0-11B3	A0-11B4	A0-11B5

Table 2 Drive data addresses (PC/RGB)

Color temperature	R	G	B
High	A0-1180	A0-1181	A0-1182
Medium	A0-1183	A0-1184	A0-1185
Low	A0-1186	A0-1187	A0-1188

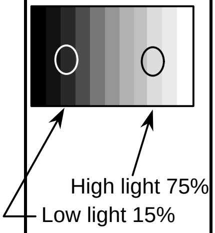
Table 3 Drive data addresses (NTSC)

Color temperature	R	G	B
High	A0-1189	A0-118A	A0-118B
Medium	A0-118C	A0-118D	A0-118E
Low	A0-118F	A0-1190	A0-1191

Table 4 Drive data addresses (PAL)

Color temperature	R	G	B
High	A0-11B6	A0-11B7	A0-11B8
Medium	A0-11B9	A0-11BA	A0-11BB
Low	A0-11BC	A0-11BD	A0-11BE

Table 5 Drive data addresses (DVI)

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	HD (YUV2_HD) Gray Scale Pattern 	Color Analyzer	Picture menu: Standard Picture: 25 White balance: **Cool** Aspect: Full Component/ RGB-IN Select: RGB IIC mode: Panel W/B Adj Color temprature: High	PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	Note: · Before adjustment, color signal has not been displayed on panel. · The pedestal adjustment has been done. · The signal root must be A side. 1) Set G cut off to " 80 ". 2)Find 75% (amplitude) of white area by color sensor. 3) Set G Drive to " E0 ". 4) Adjust B and R Drive to set the High color temperature as shown Table 1. 5) Increase equaly R, G and B Drive to get the largest level of 3 color drive to "FC".
2			Picture menu: Standard White balance: **Normal** Aspect: Full	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) In Mid color temperature, repeat the procedures 1) to 5) of Cool mode.
3			Picture menu: Standard White balance: **Warm** Aspect: Full	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) In Low color temperature, repeat the procedures 1) to 5) of Cool mode.
4	· YUV1_525ip · YUV3_625ip				1) Copy the R drive, G drive and B drive data obtained in above steps into YUV1_525ip, YUV3_625ip area.

Color Temp.	x	y
Cool(Hi)	0.276	0.276
Normal(Mid)	0.288	0.296
Warm(Low)	0.313	0.329

Table 1 W/B adjustment value

Color temperature	R	G	B
High	A0-119B	A0-119C	A0-119D
Medium	A0-119E	A0-119F	A0-11A0
Low	A0-11A1	A0-11A2	A0-11A3

Table 2 Drive data addresses (YUV2_HD)

Color temperature	R	G	B
High	A0-1192	A0-1193	A0-1194
Medium	A0-1195	A0-1196	A0-1197
Low	A0-1198	A0-1199	A0-119A

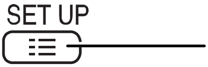
Table 3 Drive data addresses (YUV1_525ip)

Color temperature	R	G	B
High	A0-11A4	A0-11A5	A0-11A6
Medium	A0-11A7	A0-11A8	A0-11A9
Low	A0-11AA	A0-11AB	A0-11AC

Table 4 Drive data addresses (YUV3_625ip)

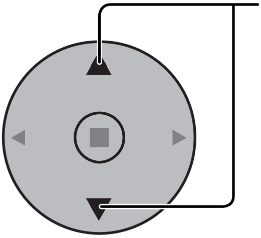
How to access the Option menu

1

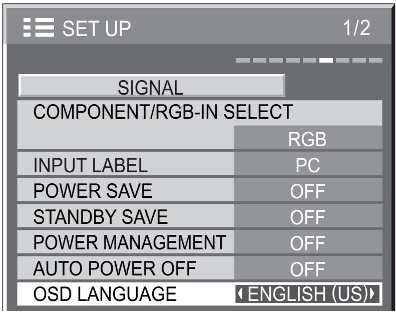


Press to display the Setup menu.

2

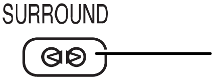


Press to select “OSD Language”.



COMPONENT/RGB-IN SELECT	RGB
INPUT LABEL	PC
POWER SAVE	OFF
STANDBY SAVE	OFF
POWER MANAGEMENT	OFF
AUTO POWER OFF	OFF
OSD LANGUAGE	ENGLISH (US)

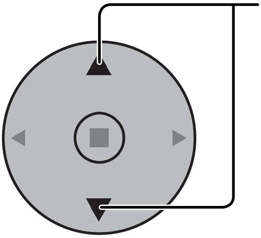
3



Press and hold until the Options menu is displayed.

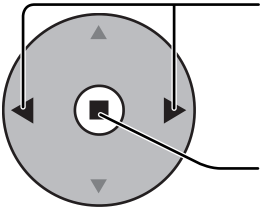
Setting the Option menus

1



Press to select your preferred menu.

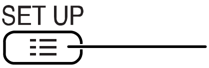
2



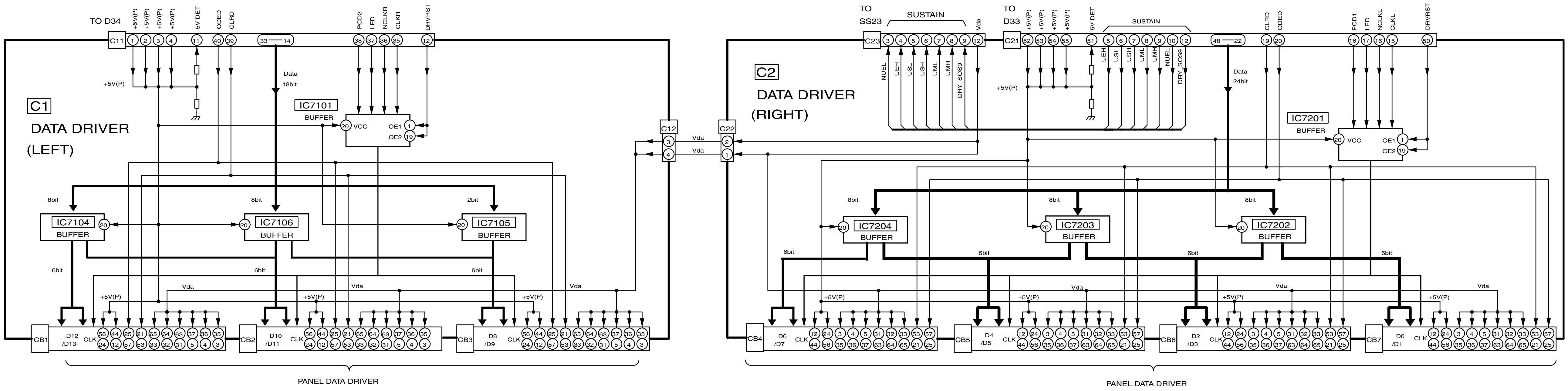
Press to adjust the menu.

Press to confirm

3



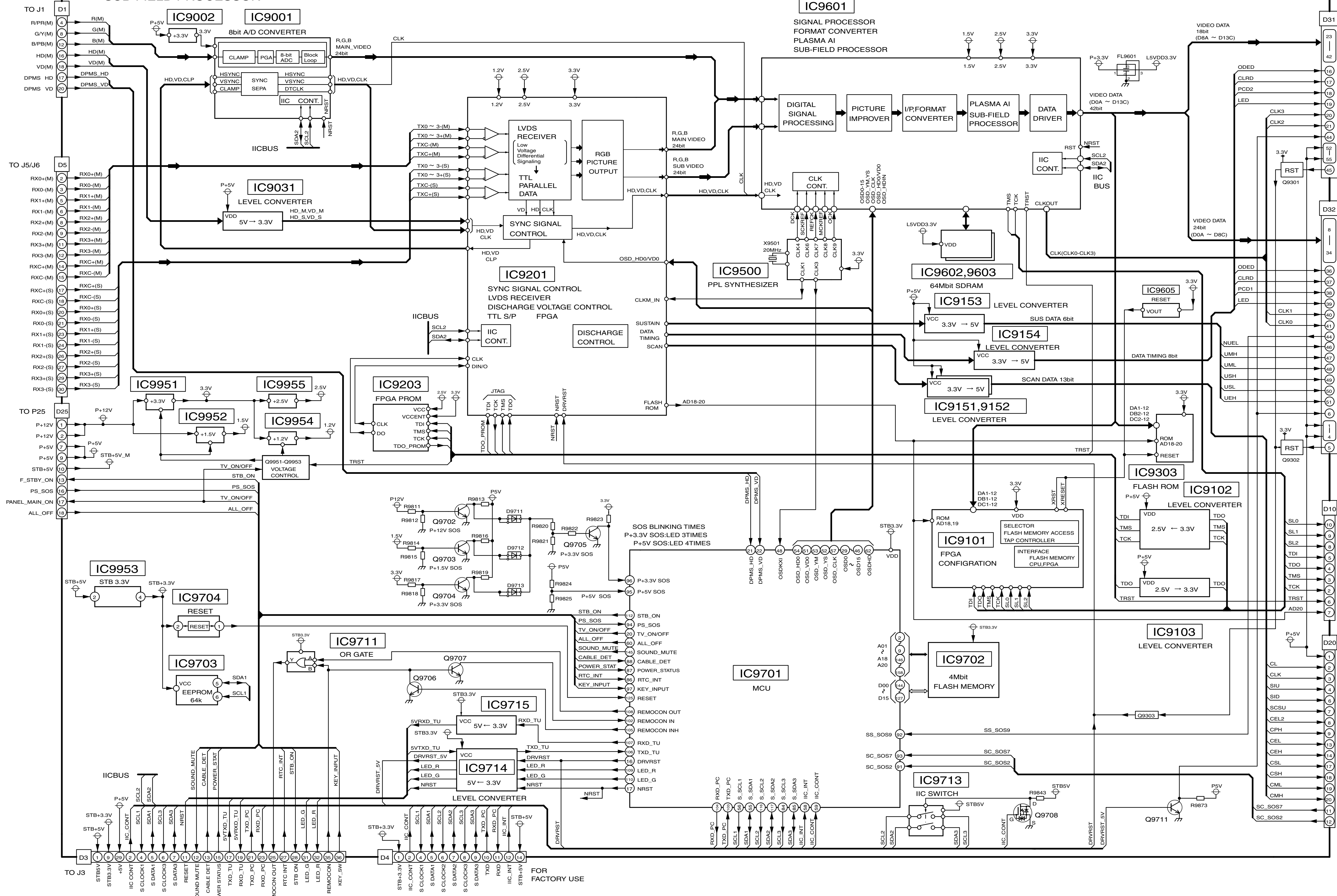
Press to exit from
Options menu.

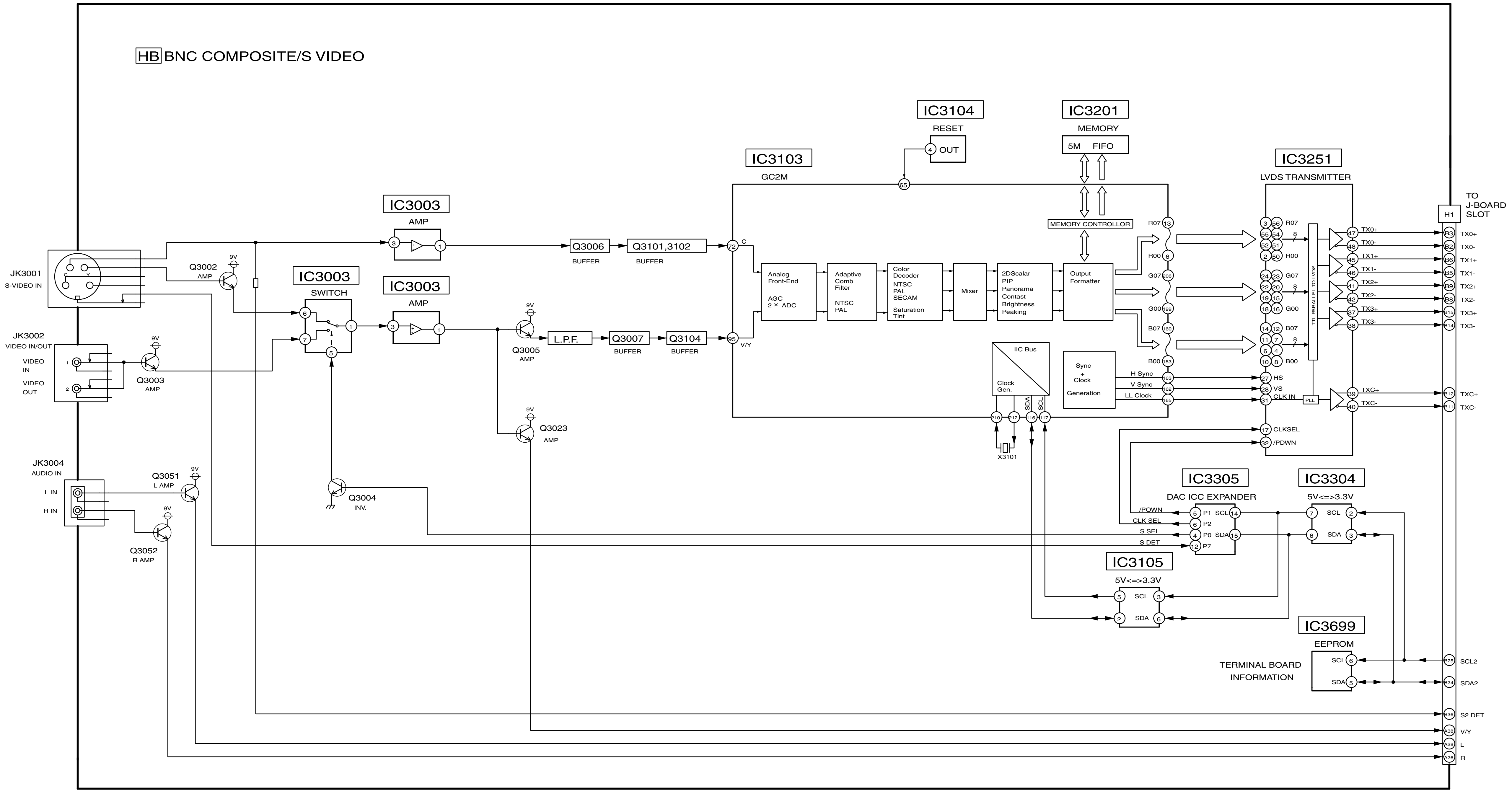


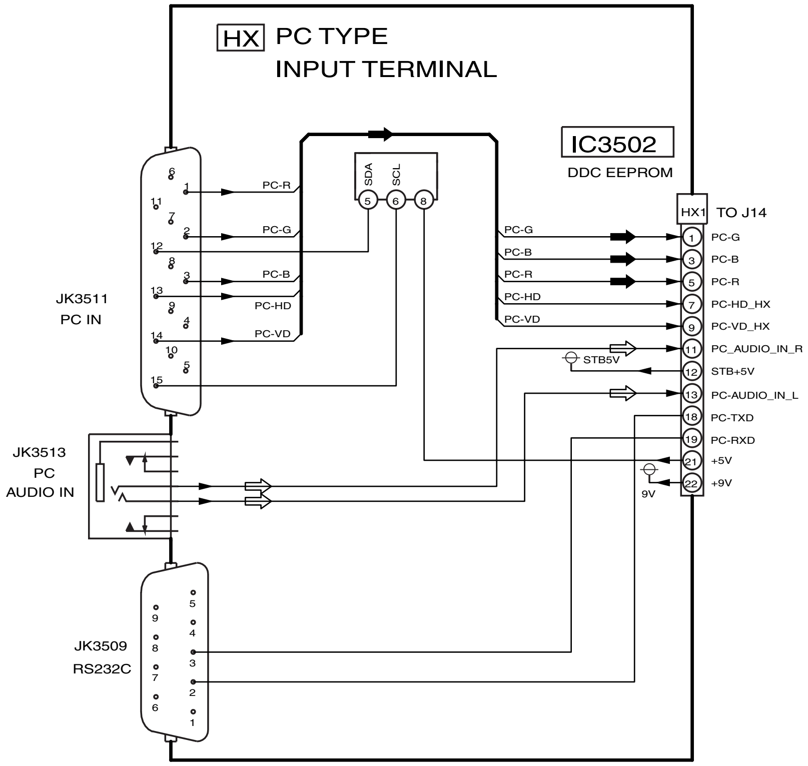
TO D34
C11
+5V(P)
5V DET
ODED
CLRD
PCD2
LED
NCLKR
CLKR
DRVRST
Data
18bit
C1
DATA DRIVER
(LEFT)
IC7101
BUFFER
VCC
OE1
OE2
C12
Vda
8bit
2bit
IC7104
BUFFER
IC7106
BUFFER
IC7105
BUFFER
6bit
CB1
D12
/D13
CLK
CB2
D10
/D11
CB3
D8
/D9
PANEL DATA DRIVER
TO
SS23
SUSTAIN
C23
NUEL
UEH
USL
USH
UML
UMH
DRY_SOS9
TO
D33
C21
UEH
USL
USH
UML
UMH
NUEL
DRY_SOS9
Data
24bit
C2
DATA DRIVER
(RIGHT)
C22
IC7201
BUFFER
PCD1
NCLKL
CLKL
IC7204
BUFFER
IC7203
BUFFER
IC7202
BUFFER
CB4
D6
/D7
CB5
D4
/D5
CB6
D2
/D3
CB7
D0
/D1
PANEL DATA DRIVER

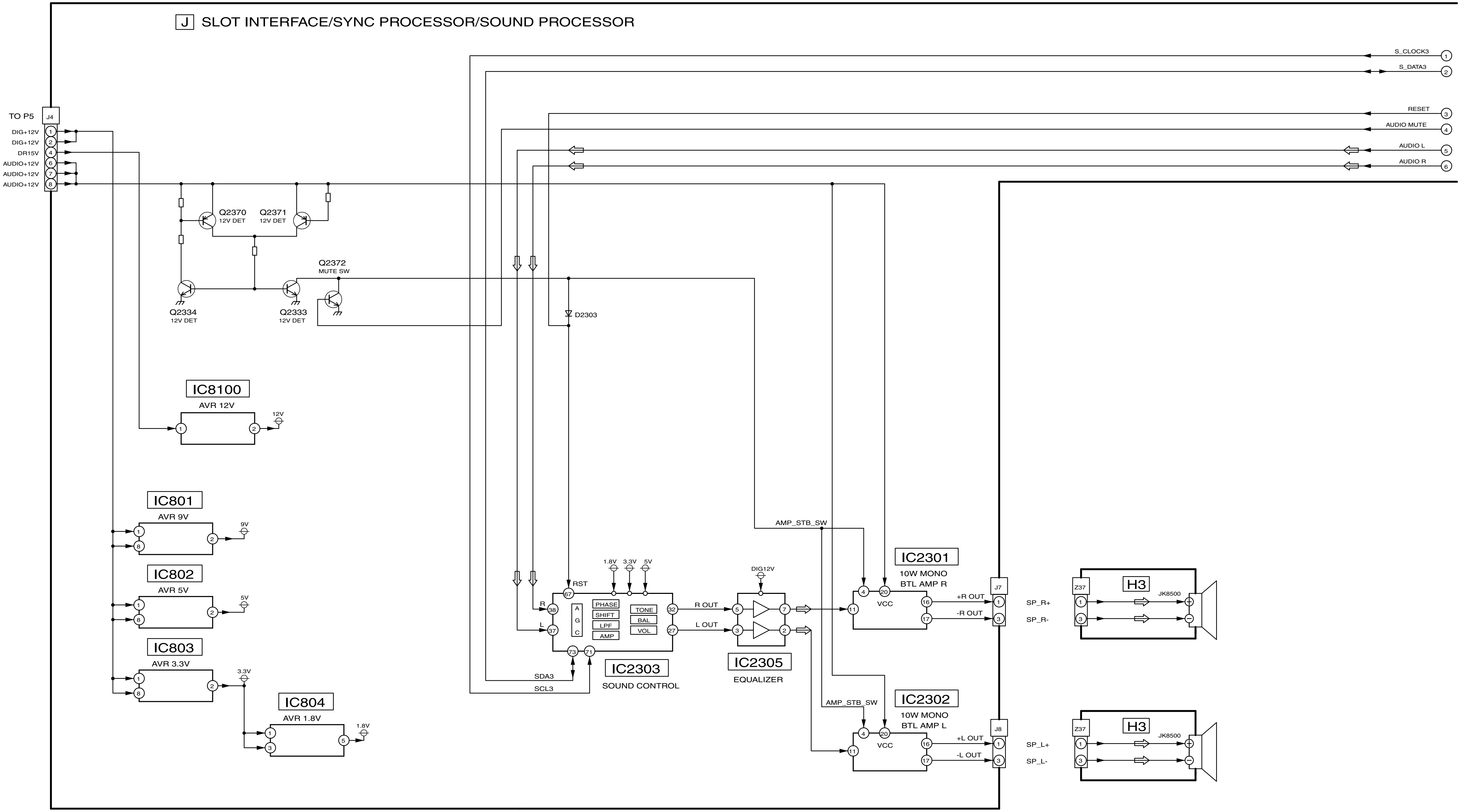
TH-37/42PWD8 SERIES
C1 and C2-Board Block Diagram

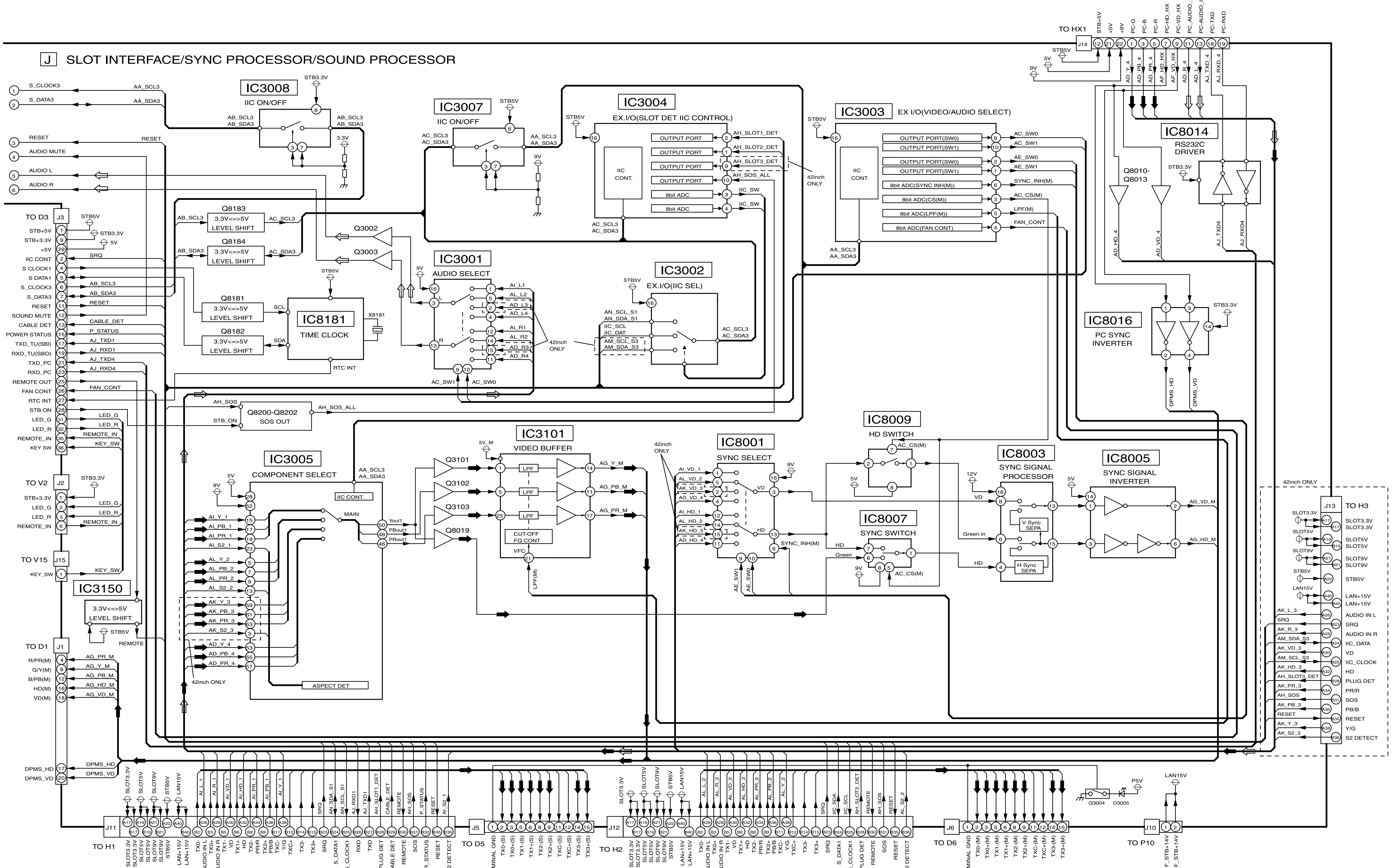
D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER,
PIASMA AI
SUB-FIELD PROCESSOR


TO J1
D1
R/PR(M)
G/Y(M)
B/PB(M)
HD(M)
VD(M)
DPMS HD
DPMS VD
IC9002
IC9001
+3.3V
8bit A/D CONVERTER
CLAMP
PGA
8-bit ADC
Block Loop
HSYNC
VSYNC
CLAMP
SYNC SEPA
DTCLK
IIC CONT.
R,G,B MAIN_VIDEO 24bit
CLK
HD,VD,CLP
HD,VD,CLK
SDA2
SCL2
NRST
IICBUS
TO J5/J6
D5
RX0+(M)
RX0-(M)
RX1+(M)
RX1-(M)
RX2+(M)
RX2-(M)
RX3+(M)
RX3-(M)
RXC+(M)
RXC-(M)
RXC+(S)
RXC-(S)
RX0+(S)
RX0-(S)
RX1+(S)
RX1-(S)
RX2+(S)
RX2-(S)
RX3+(S)
RX3-(S)
IC9031
LEVEL CONVERTER
VDD
5V → 3.3V
HD_M,VD_M
HD_S,VD_S
TX0 ~ 3-(M)
TX0 ~ 3+(M)
TXC-(M)
TXC+(M)
TX0 ~ 3-(S)
TX0 ~ 3+(S)
TXC-(S)
TXC+(S)
1.2V
2.5V
3.3V
LVDS RECEIVER
Low Voltage Differential Signaling
TTL PARALLEL DATA
RGB PICTURE OUTPUT
VD HD CLK
SYNC SIGNAL CONTROL
HD,VD CLK
HD,VD CLP
R,G,B MAIN VIDEO 24bit
R,G,B SUB VIDEO 24bit
HD,VD,CLK
IC9201
SYNC SIGNAL CONTROL
LVDS RECEIVER
DISCHARGE VOLTAGE CONTROL
TTL S/P FPGA
IICBUS
SCL2
SDA2
IIC CONT.
DISCHARGE CONTROL
CLK
DIN/O
OSD_HD0/VD0
CLKM_IN
SUSTAIN
DATA TIMING
SCAN
FLASH ROM
AD18-20
JTAG
TDI TCK TMS TDO
NRST DRVRST
TDO_PROM
IC9203
FPGA PROM
VCC
VCCENT
TDI
TMS
TCK
TDO_PROM
DO
TRST
IC9601
SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
DIGITAL SIGNAL PROCESSING
PICTURE IMPROVER
I/P,FORMAT CONVERTER
PLASMA AI SUB-FIELD PROCESSOR
DATA DRIVER
HD,VD CLK
CLK CONT.
DCK SCKREF REFCK MCKREF OCK
X9501 20MHz
CLK4 CLK6 CLK7 CLK8 CLK9
CLK1 CLK3
IC9500
PPL SYNTHESIZER
OSD0-15 OSD_YM,YS OSD_CLK OSD_HD0/VD0 OSD_HDIN
L5VDD3.3V
VDD
IC9602,9603
64Mbit SDRAM
TMS TCK TRST
CLKOUT
CLK(CLK0-CLK3)
IIC CONT.
RST
NRST
SCL2
SDA2
IIC BUS
P+3.3V
FL9601
L5VDD3.3V
VIDEO DATA (D0A ~ D13C) 42bit
VIDEO DATA 18bit (D8A ~ D13C)
VIDEO DATA 24bit (D0A ~ D8C)
D31
TO C11
D11-D16
D21-D26
D31-D36
ODED
CLRD
PCD2
LED
CLK3
CLK2
DRV_RST
P+5V
+5VDET
RST
Q9301
D32
TO C21
D41-D46
D51-D56
D61-D66
D71-D76
PCD1
CLK1
CLK0
SS_SOS9
NUEL
UMH
UML
USH
USL
UEH
Q9302
IC9153
LEVEL CONVERTER
3.3V → 5V
SUS DATA 6bit
IC9154
DATA TIMING 8bit
SCAN DATA 13bit
IC9151,9152
IC9605
RESET
VOUT
DA1-12
DB2-12
DC2-12
ROM AD18-20
IC9303
FLASH ROM
IC9102
LEVEL CONVERTER
2.5V ← 3.3V
2.5V → 3.3V
TDI TMS TCK TDO
IC9101
FPGA CONFIGRATION
SELECTOR
FLASH MEMORY ACCESS
TAP CONTROLLER
INTERFACE
FLASH MEMORY
CPU,FPGA
XRST
XRESET
D10
FOR FACTORY USE
CONFIG_SEL0
CONFIG_SEL1
CONFIG_SEL2
TDI
TDO
TMS
TCK
TRST
32MFLASHMSB
IC9103
LEVEL CONVERTER
D20
TO SC20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CEH
CSL
CSH
CML
CMH
SC_SOS7
SC_SOS2
IC9951
IC9955
IC9952
IC9954
+3.3V
+2.5V
+1.5V
+1.2V
TO P25
D25
P+12V
P+5V
STB+5V
F_STBY_ON
PS_SOS
PANEL_MAIN_ON
ALL_OFF
STB+5V_M
Q9951-Q9953
VOLTAGE CONTROL
TV_ON/OFF
STB_ON
P12V
R9811
R9812
Q9702
P+12V SOS
R9813
P5V
D9711
1.5V
R9814
R9815
Q9703
P+1.5V SOS
R9816
D9712
R9817
R9818
Q9704
P+3.3V SOS
R9819
D9713
R9820
R9821
R9822
R9823
Q9705
P+3.3V SOS
R9824
R9825
P+5V SOS
SOS BLINKING TIMES
P+3.3V SOS:LED 3TIMES
P+5V SOS:LED 4TIMES
IC9953
STB 3.3V
STB+3.3V
IC9704
RESET
IC9703
VCC
EEPROM 64k
SDA1
SCL1
IC9711
OR GATE
Q9707
Q9706
IC9715
5VRXD_TU
RXD_TU
5V ← 3.3V
IC9714
5VTXD_TU
DRVRST_5V
LED_R
LED_G
NRST
LEVEL CONVERTER
IC9701
MCU
STB_ON
PS_SOS
TV_ON/OFF
ALL_OFF
SOUND_MUTE
CABLE_DET
POWER_STAT
RTC_INT
KEY_INPUT
RESET
REMOCON OUT
REMOCON IN
REMOCON INH
RXD_TU
TXD_TU
DRVRST
LED_R
LED_G
NRST
DPMS_HD
DPMS_VD
OSDKXI
OSD_HD0 OSD_VD0 OSD_YM OSD_YS OSD_CLK OSD0 ~ OSD15 OSDHD
STB3.3V
VDD
A01 ~ A18 A20
D00 ~ D15
IC9702
4Mbit FLASH MEMORY
SS_SOS9
SC_SOS7
SC_SOS2
Q9303
IC9713
IIC SWITCH
STB5V
R9843
Q9708
Q9711
R9873
RXD_PC TXD_PC S_SCL1 S_SDA1 S_SCL2 S_SDA2 S_SCL3 S_SDA3 IIC_INT IIC_CONT
DRVRST_5V
IICBUS
D3
TO J3
STB5V STB3.3V +5V IIC CONT S CLOCK1 S DATA1 S CLOCK3 S DATA3 RESET SOUND MUTE CABLE DET POWER STATUS TXD_TU RXD_TU TXD_PC RXD_PC REMOCON OUT RTC INT STB ON LED_G LED_R REMOCON KEY_SW
D4
STB+3.3V IIC_CONT S CLOCK1 S DATA1 S CLOCK2 S DATA2 S CLOCK3 S DATA3 TXD RXD IIC_INT STB+5V
FOR FACTORY USE


HB BNC COMPOSITE/S VIDEO
JK3001
S-VIDEO IN
JK3002
VIDEO IN/OUT
VIDEO IN
VIDEO OUT
JK3004
AUDIO IN
L IN
R IN
Q3002
AMP
Q3003
AMP
Q3051
L AMP
Q3052
R AMP
9V
IC3003
AMP
IC3003
SWITCH
IC3003
AMP
Q3004
INV.
Q3005
AMP
Q3023
AMP
L.P.F.
Q3006
BUFFER
Q3101,3102
BUFFER
Q3007
BUFFER
Q3104
BUFFER
IC3103
GC2M
C
V/Y
Analog Front-End
AGC
2 × ADC
Adaptive Comb Filter
NTSC PAL
Color Decoder
NTSC PAL SECAM
Saturation Tint
Mixer
2DScalar PIP Panorama Contast Brightness Peaking
Output Formatter
IIC Bus
Clock Gen.
SDA
SCL
Sync + Clock Generation
H Sync
V Sync
LL Clock
X3101
IC3104
RESET
OUT
IC3201
MEMORY
5M FIFO
MEMORY CONTROLLOR
R07
R00
G07
G00
B07
B00
IC3251
LVDS TRANSMITTER
TTL PARALLEL TO LVDS
HS
VS
CLK IN
PLL
CLKSEL
/PDWN
TX0+
TX0-
TX1+
TX1-
TX2+
TX2-
TX3+
TX3-
TXC+
TXC-
TO J-BOARD SLOT
H1
IC3305
DAC ICC EXPANDER
/POWN
CLK SEL
S SEL
S DET
P1
P2
P0
P7
SCL
SDA
IC3304
5V<=>3.3V
IC3105
5V<=>3.3V
IC3699
EEPROM
TERMINAL BOARD INFORMATION
SCL2
SDA2
S2 DET
V/Y
L
R

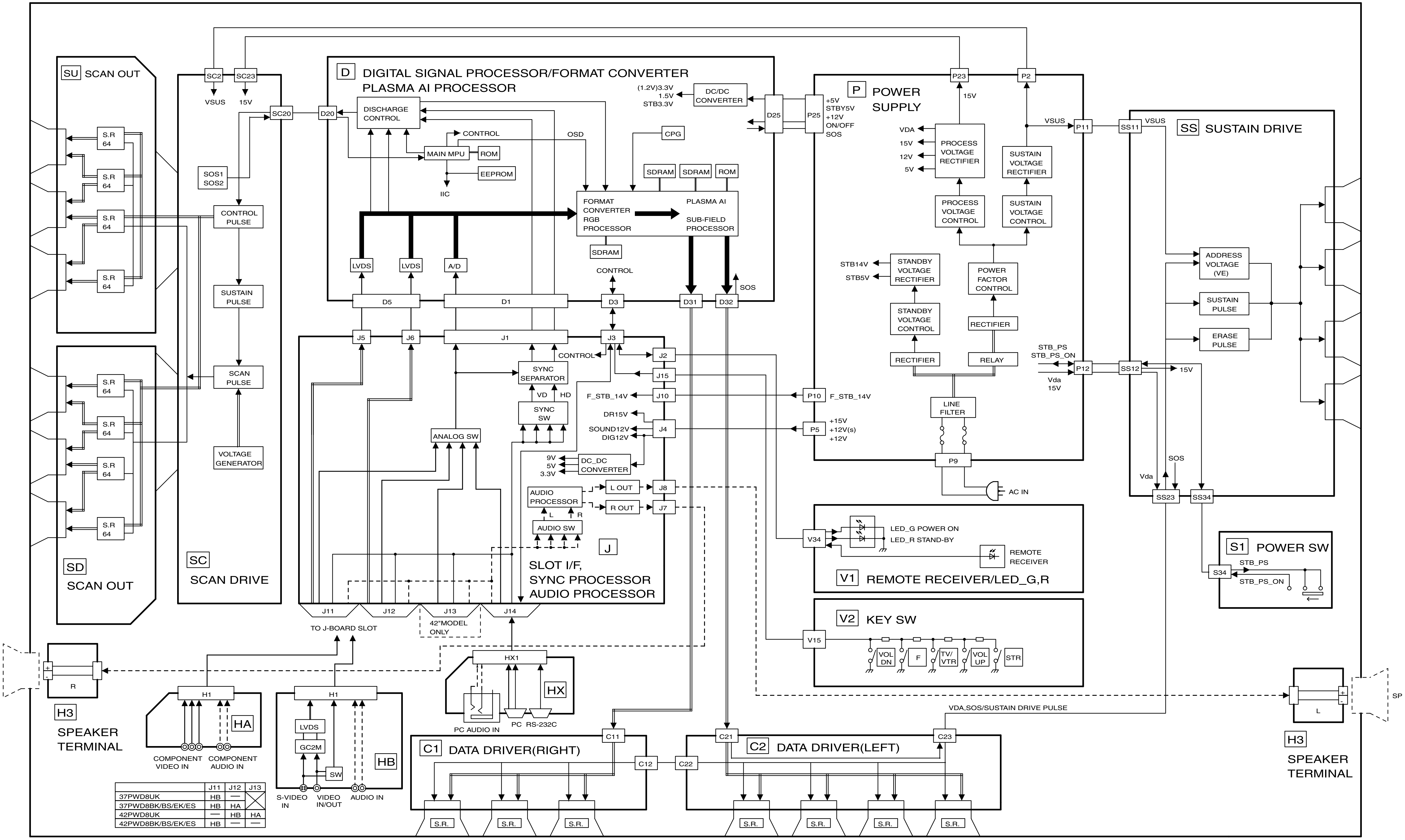

HX
PC TYPE
INPUT TERMINAL
IC3502
DDC EEPROM
SDA
SCL
5
6
8
JK3511
PC IN
6
1
11
7
2
12
8
3
13
9
4
14
10
5
15
PC-R
PC-G
PC-B
PC-HD
PC-VD
PC-G
PC-B
PC-R
PC-HD
PC-VD
HX1
TO J14
1 PC-G
3 PC-B
5 PC-R
7 PC-HD_HX
9 PC-VD_HX
11 PC_AUDIO_IN_R
12 STB+5V
13 PC-AUDIO_IN_L
18 PC-TXD
19 PC-RXD
21 +5V
22 +9V
STB5V
9V
JK3513
PC
AUDIO IN
JK3509
RS232C
9
8
7
6
5
4
3
2
1


J
SLOT INTERFACE/SYNC PROCESSOR/SOUND PROCESSOR
TO P5
J4
DIG+12V
DIG+12V
DR15V
AUDIO+12V
AUDIO+12V
AUDIO+12V
S_CLOCK3
S_DATA3
RESET
AUDIO MUTE
AUDIO L
AUDIO R
Q2370
12V DET
Q2371
12V DET
Q2372
MUTE SW
Q2334
12V DET
Q2333
12V DET
D2303
IC8100
AVR 12V
12V
IC801
AVR 9V
9V
IC802
AVR 5V
5V
IC803
AVR 3.3V
3.3V
IC804
AVR 1.8V
1.8V
AMP_STB_SW
IC2301
10W MONO
BTL AMP R
IC2302
10W MONO
BTL AMP L
VCC
+R OUT
-R OUT
+L OUT
-L OUT
J7
J8
SP_R+
SP_R-
SP_L+
SP_L-
Z37
H3
JK8500
RST
R
L
A
G
C
PHASE
SHIFT
LPF
AMP
TONE
BAL
VOL
R OUT
L OUT
SDA3
SCL3
IC2303
SOUND CONTROL
DIG12V
IC2305
EQUALIZER

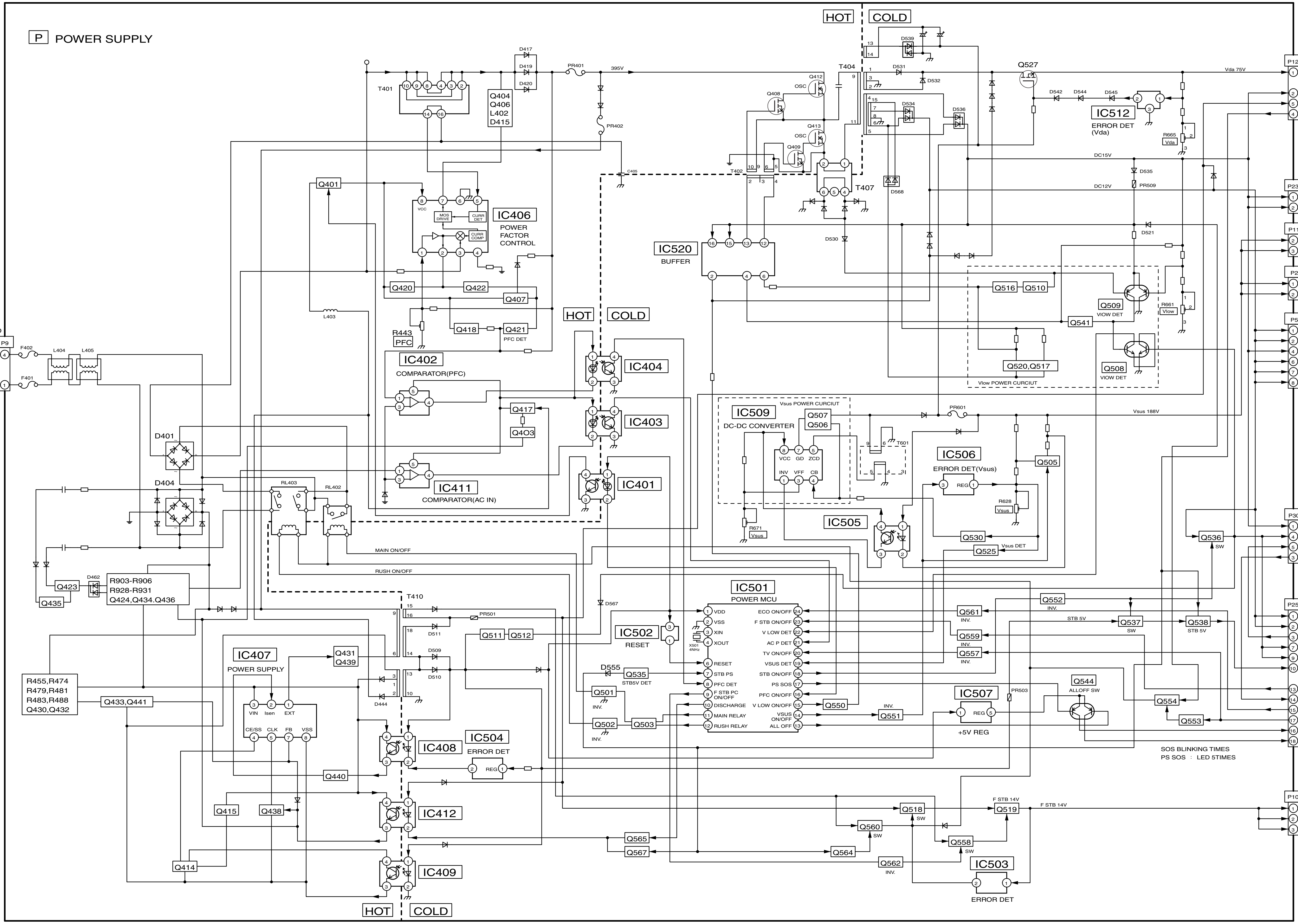

J
SLOT INTERFACE/SYNC PROCESSOR/SOUND PROCESSOR
IC3008
IIC ON/OFF
STB3.3V
AB_SCL3
AB_SDA3
IC3007
IIC ON/OFF
AC_SCL3
AC_SDA3
AA_SCL3
AA_SDA3
IC3004
EX.I/O(SLOT DET IIC CONTROL)
OUTPUT PORT
8bit ADC
IIC CONT.
AH_SLOT1_DET
AH_SLOT2_DET
AH_SLOT3_DET
AH_SOS_ALL
IIC_SW
42inch ONLY
IC3003
EX I/O(VIDEO/AUDIO SELECT)
OUTPUT PORT(SW0)
OUTPUT PORT(SW1)
8bit ADC(SYNC INH(M))
8bit ADC(CS(M))
8bit ADC(LPF(M))
8bit ADC(FAN CONT)
AC_SW0
AC_SW1
AE_SW0
AE_SW1
SYNC_INH(M)
AC_CS(M)
LPF(M)
FAN_CONT
TO HX1
J14
STB+5V
+5V
+9V
PC-G
PC-B
PC-R
PC-HD_HX
PC-VD_HX
PC-AUDIO_IN_R
PC-AUDIO_IN_L
PC-TXD
PC-RXD
AD_Y_4
AD_PB_4
AD_PR_4
AF_HD_HX
AF_VD_HX
AD_R_4
AD_L_4
AJ_TXD_4
AJ_RXD_4
IC8014
RS232C DRIVER
Q8010-Q8013
AD_HD_4
AD_VD_4
AJ_TXD4
AJ_RXD4
IC8016
PC SYNC INVERTER
DPMS_HD
DPMS_VD
S_CLOCK3
S_DATA3
RESET
AUDIO MUTE
AUDIO L
AUDIO R
TO D3
J3
STB+5V
STB+3.3V
+5V
IIC CONT
S CLOCK1
S DATA1
S_CLOCK3
S_DATA3
RESET
SOUND MUTE
CABLE DET
POWER STATUS
TXD_TU(SBI)
RXD_TU(SBO)
TXD_PC
RXD_PC
REMOTE OUT
FAN CONT
RTC INT
STB ON
LED_G
LED_R
REMOTE_IN
KEY SW
SRQ
CABLE_DET
P_STATUS
AJ_TXD1
AJ_RXD1
AJ_TXD4
AJ_RXD4
FAN_CONT
Q8183
Q8184
Q8181
Q8182
3.3V<=>5V LEVEL SHIFT
IC8181
TIME CLOCK
X8181
SCL
SDA
RTC INT
Q3002
Q3003
IC3001
AUDIO SELECT
AI_L1
AI_L2
AD_L3
AD_L4
AI_R1
AI_R2
AD_R3
AD_R4
AC_SW1
AC_SW0
IC3002
EX.I/O(IIC SEL)
AN_SCL_S1
AN_SDA_S1
IIC_SCL
IIC_DAT
AM_SCL_S3
AM_SDA_S3
Q8200-Q8202
SOS OUT
AH_SOS
STB_ON
AH_SOS_ALL
TO V2
J2
REMOTE_IN
TO V15
J15
KEY_SW
IC3150
3.3V<=>5V LEVEL SHIFT
STB5V
REMOTE
TO D1
J1
R/PR(M)
G/Y(M)
B/PB(M)
HD(M)
VD(M)
AG_PR_M
AG_Y_M
AG_PB_M
AG_HD_M
AG_VD_M
DPMS_HD
DPMS_VD
IC3005
COMPONENT SELECT
IIC CONT.
MAIN
AI_Y_1
AI_PB_1
AI_PR_1
AI_S2_1
AL_Y_2
AL_PB_2
AL_PR_2
AL_S2_2
AK_Y_3
AK_PB_3
AK_PR_3
AK_S2_3
AD_Y_4
AD_PB_4
AD_PR_4
42inch ONLY
ASPECT DET
Yout1
PBout1
PRout1
Q3101
Q3102
Q3103
Q8019
IC3101
VIDEO BUFFER
5V_M
LPF
CUT-OFF FQ CONT
VFC
LPF(M)
AG_Y_M
AG_PB_M
AG_PR_M
IC8001
SYNC SELECT
AI_VD_1
AL_VD_2
AK_VD_3
AD_VD_4
AI_HD_1
AL_HD_2
AK_HD_3
AD_HD_4
VD
HD
SYNC_INH(M)
AE_SW1
AE_SW0
IC8009
HD SWITCH
AC_CS(M)
IC8007
SYNC SWITCH
Green
IC8003
SYNC SIGNAL PROCESSOR
12V
Green in
V Sync SEPA
H Sync SEPA
IC8005
SYNC SIGNAL INVERTER
AG_VD_M
AG_HD_M
42inch ONLY
TO H3
J13
SLOT3.3V
SLOT5V
SLOT9V
STB5V
LAN+15V
AUDIO IN L
SRQ
AUDIO IN R
IIC_DATA
VD
IIC_CLOCK
HD
PLUG DET
PR/R
SOS
PB/B
RESET
Y/G
S2 DETECT
AK_L_3
AK_R_3
AM_SDA_S3
AK_VD_3
AM_SCL_S3
AK_HD_3
AH_SLOT3_DET
AK_PR_3
AH_SOS
AK_PB_3
AK_Y_3
AK_S2_3
J11
TO H1
SLOT3.3V
SLOT5V
SLOT9V
STB5V
LAN+15V
TX0-
AUDIO IN L
TX0+
AUDIO IN R
TX1-
VD
TX1+
HD
TX2-
PR/R
TX2+
PB/B
TXC-
Y/G
TXC+
TX3-
TX3+
SRQ
S_DATA1
S_CLOCK1
RXD
TXD
PLUG DET
CABLE DET
REMOTE
SOS
POWER_STATUS
RESET
S2 DETECT
AI_L_1
AI_R_1
AI_VD_1
AI_HD_1
AI_PR_1
AI_PB_1
AI_Y_1
AN_SDA_S1
AN_SCL_S1
AJ_RXD1
AJ_TXD1
AH_SLOT1_DET
CABLE_DET
P_STATUS
AI_S2_1
J5
TO D5
TERMINAL GND
TX0-(S)
TX0+(S)
TX1-(S)
TX1+(S)
TX2-(S)
TX2+(S)
TXC-(S)
TXC+(S)
TX3-(S)
TX3+(S)
J12
TO H2
AL_L_2
AL_R_2
AL_VD_2
AL_HD_2
AL_PR_2
AL_PB_2
AL_Y_2
IIC_SDA
IIC_SCL
AH_SLOT2_DET
AL_S2_2
J6
TO D6
TX0-(M)
TX0+(M)
TX1-(M)
TX1+(M)
TX2-(M)
TX2+(M)
TXC-(M)
TXC+(M)
TX3-(M)
TX3+(M)
Q3004
D3005
P5V
LAN15V
J10
TO P10
F_STB+14V

TH-37/42PWD8 SERIES
J-Board (2 of 2) Block Diagram

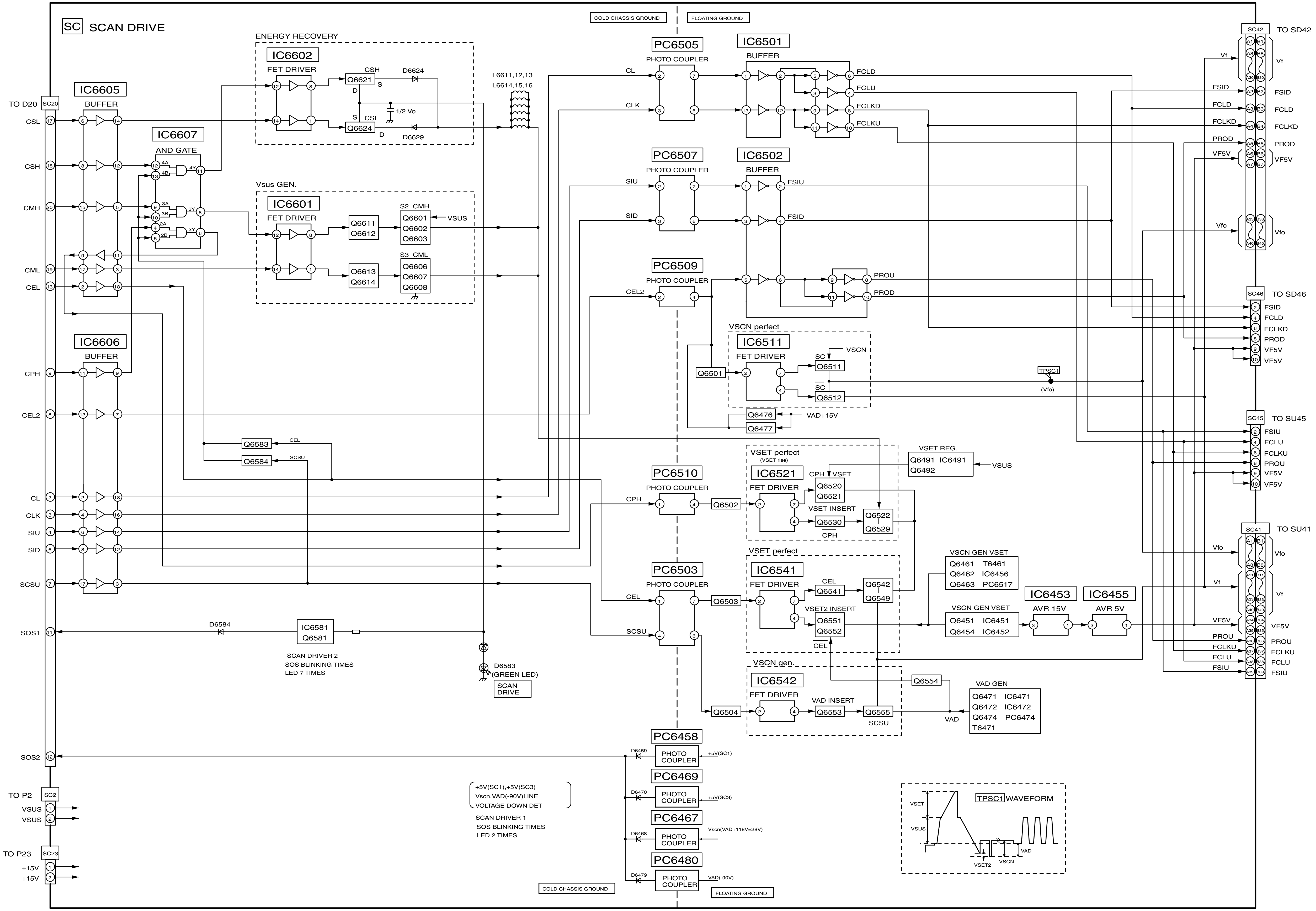
TH-37/42PWD8 SERIES
J-Board (2 of 2) Block Diagram


SU SCAN OUT
S.R 64
SD SCAN OUT
SC SCAN DRIVE
SC2
SC23
VSUS
15V
SC20
SOS1
SOS2
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
D DIGITAL SIGNAL PROCESSOR/FORMAT CONVERTER
PLASMA AI PROCESSOR
D20
DISCHARGE CONTROL
CONTROL
MAIN MPU
ROM
EEPROM
IIC
OSD
(1.2V)3.3V
1.5V
STB3.3V
DC/DC CONVERTER
D25
CPG
SDRAM
SDRAM
ROM
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
SDRAM
CONTROL
LVDS
LVDS
A/D
SOS
D5
D1
D3
D31
D32
J5
J6
J1
J3
CONTROL
SYNC SEPARATOR
VD
HD
SYNC SW
ANALOG SW
J2
J15
F_STB_14V
J10
DR15V
SOUND12V
DIG12V
J4
9V
5V
3.3V
DC_DC CONVERTER
AUDIO PROCESSOR
L OUT
R OUT
J8
J7
L
R
AUDIO SW
J
SLOT I/F,
SYNC PROCESSOR
AUDIO PROCESSOR
J11
J12
J13
J14
42"MODEL ONLY
TO J-BOARD SLOT
P POWER SUPPLY
P25
+5V
STBY5V
+12V
ON/OFF
SOS
P23
P2
15V
VDA
15V
12V
5V
PROCESS VOLTAGE RECTIFIER
SUSTAIN VOLTAGE RECTIFIER
PROCESS VOLTAGE CONTROL
SUSTAIN VOLTAGE CONTROL
VSUS
P11
STB14V
STB5V
STANDBY VOLTAGE RECTIFIER
STANDBY VOLTAGE CONTROL
POWER FACTOR CONTROL
RECTIFIER
RECTIFIER
RELAY
STB_PS
STB_PS_ON
Vda
15V
P12
P10
F_STB_14V
P5
+15V
+12V(s)
+12V
LINE FILTER
P9
AC IN
SS11
VSUS
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS12
15V
SOS
Vda
SS23
SS34
V34
LED_G POWER ON
LED_R STAND-BY
REMOTE RECEIVER
V1 REMOTE RECEIVER/LED_G,R
V2 KEY SW
V15
VOL DN
F
TV/ VTR
VOL UP
STR
S1 POWER SW
S34
STB_PS
STB_PS_ON
SP
R
H3
SPEAKER TERMINAL
+
-
H1
HA
COMPONENT VIDEO IN
COMPONENT AUDIO IN
H1
LVDS
GC2M
SW
HB
S-VIDEO IN
VIDEO IN/OUT
AUDIO IN
HX1
HX
PC AUDIO IN
PC
RS-232C
C11
C1 DATA DRIVER(RIGHT)
C12
C22
C21
C2 DATA DRIVER(LEFT)
C23
VDA,SOS/SUSTAIN DRIVE PULSE
S.R.
L
SP
H3
SPEAKER TERMINAL

	J11	J12	J13
37PWD8UK	HB	—	☒
37PWD8BK/BS/EK/ES	HB	HA	
42PWD8UK	—	HB	HA
42PWD8BK/BS/EK/ES	HB	—	—

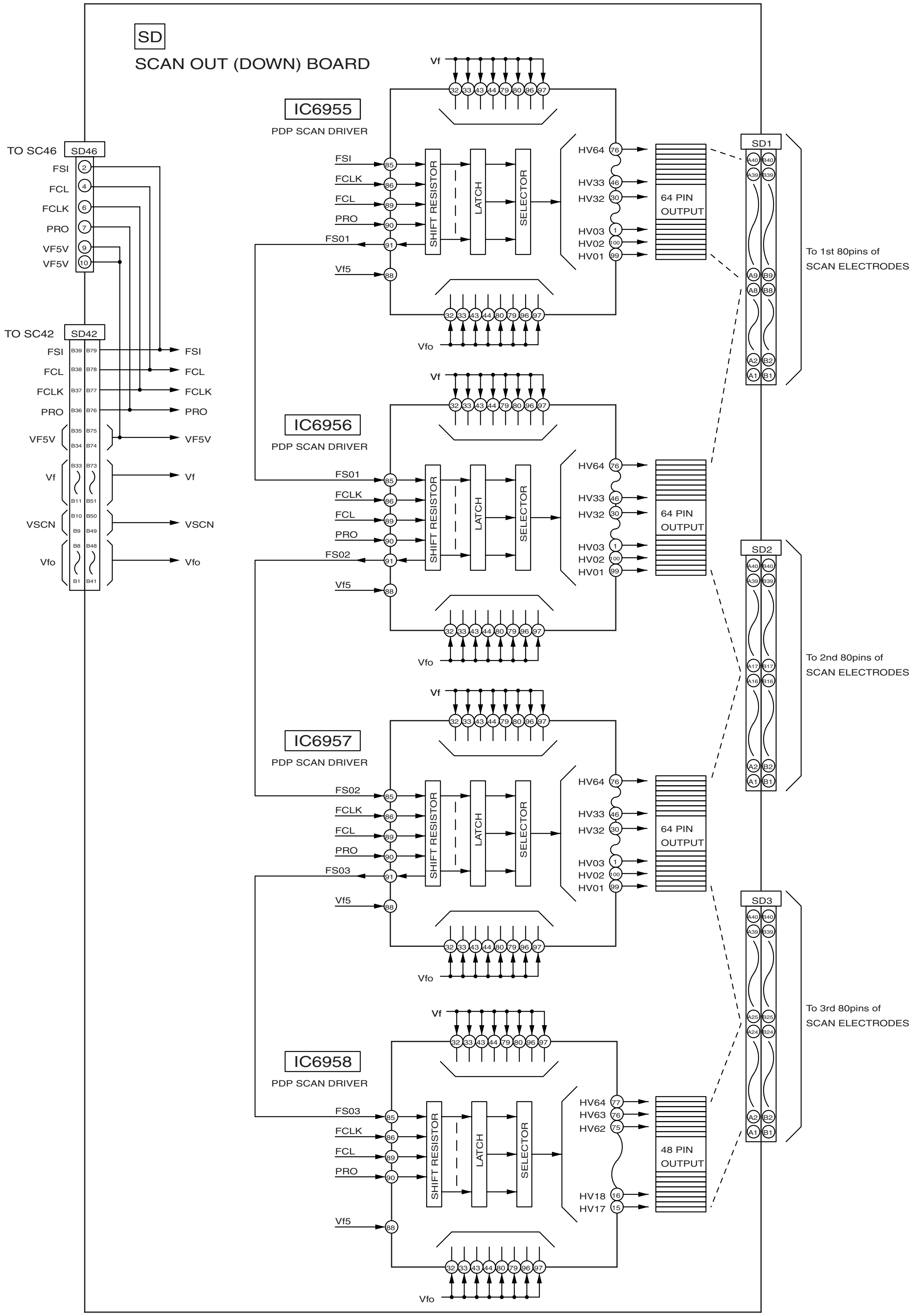

P POWER SUPPLY
HOT
COLD
TO AC CORD
P9
LIVE
NEWTRAL
F402
F401
L404
L405
D401
D404
RL403
RL402
T401
Q404
Q406
L402
D415
D417
D419
D420
PR401
395V
PR402
C405
Q401
IC406
POWER FACTOR CONTROL
VCC
MOS DRIVE
CURR DET
CURR COMP
Q420
Q422
Q407
L403
Q418
Q421
PFC DET
R443
PFC
IC402
COMPARATOR(PFC)
Q417
Q403
IC411
COMPARATOR(AC IN)
IC404
IC403
IC401
MAIN ON/OFF
RUSH ON/OFF
Q423
D462
Q435
R903-R906
R928-R931
Q424,Q434,Q436
R455,R474
R479,R481
R483,R488
Q430,Q432
Q433,Q441
T410
PR501
D511
D509
D510
D444
Q431
Q439
Q511
Q512
IC407
POWER SUPPLY
VIN Isen EXT
CE/SS CLK FB VSS
Q440
Q415
Q438
Q414
IC408
IC504
ERROR DET
REG
IC412
IC409
Q565
Q567
D567
IC502
RESET
D555
Q535
STB5V DET
Q501
INV.
Q502
Q503
X501 4MHz
IC501
POWER MCU
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
F STB PC ON/OFF
DISCHARGE
MAIN RELAY
RUSH RELAY
ECO ON/OFF
F STB ON/OFF
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
Q550
Q551
Q564
Q562
T404
Q412
Q408
Q413
Q409
OSC
T402
T407
D539
D531
D532
D534
D536
D568
D530
IC520
BUFFER
Q527
D542
D544
D545
IC512
ERROR DET (Vda)
R665
Vda
DC15V
DC12V
D535
PR509
D521
Q516
Q510
Q509
VIOW DET
R661
Vlow
Q541
Q520,Q517
Q508
Vlow POWER CURCUIT
IC509
Vsus POWER CURCUIT
DC-DC CONVERTER
Q507
Q506
VCC GD ZCD
INV VFF CB
R671
Vsus
T601
PR601
Vsus 188V
IC506
ERROR DET(Vsus)
R628
Q505
IC505
Q530
Q525
Vsus DET
Q552
Q561
Q559
Q557
Q537
Q538
STB 5V
SW
Q536
Q544
ALLOFF SW
Q554
Q553
IC507
+5V REG
PR503
Q518
Q519
F STB 14V
Q560
Q558
IC503
SOS BLINKING TIMES
PS SOS : LED 5TIMES
P12 TO SS12
Vda 75V
Vda
+15V
STB12V
STB_PS
P23 TO SC23
P11 TO SS11
Vsus
P2 TO SC2
P5 TO PB5
+12V
+12Vs
P30 NO USE
+5V
FAN CONT
FAN SOS
P25 TO D25
12V
STB5V
F STBY ON
ECO_ON
PANEL MAIN ON
PS SOS
ALL OFF
P10 TO PA10
F STB 14V

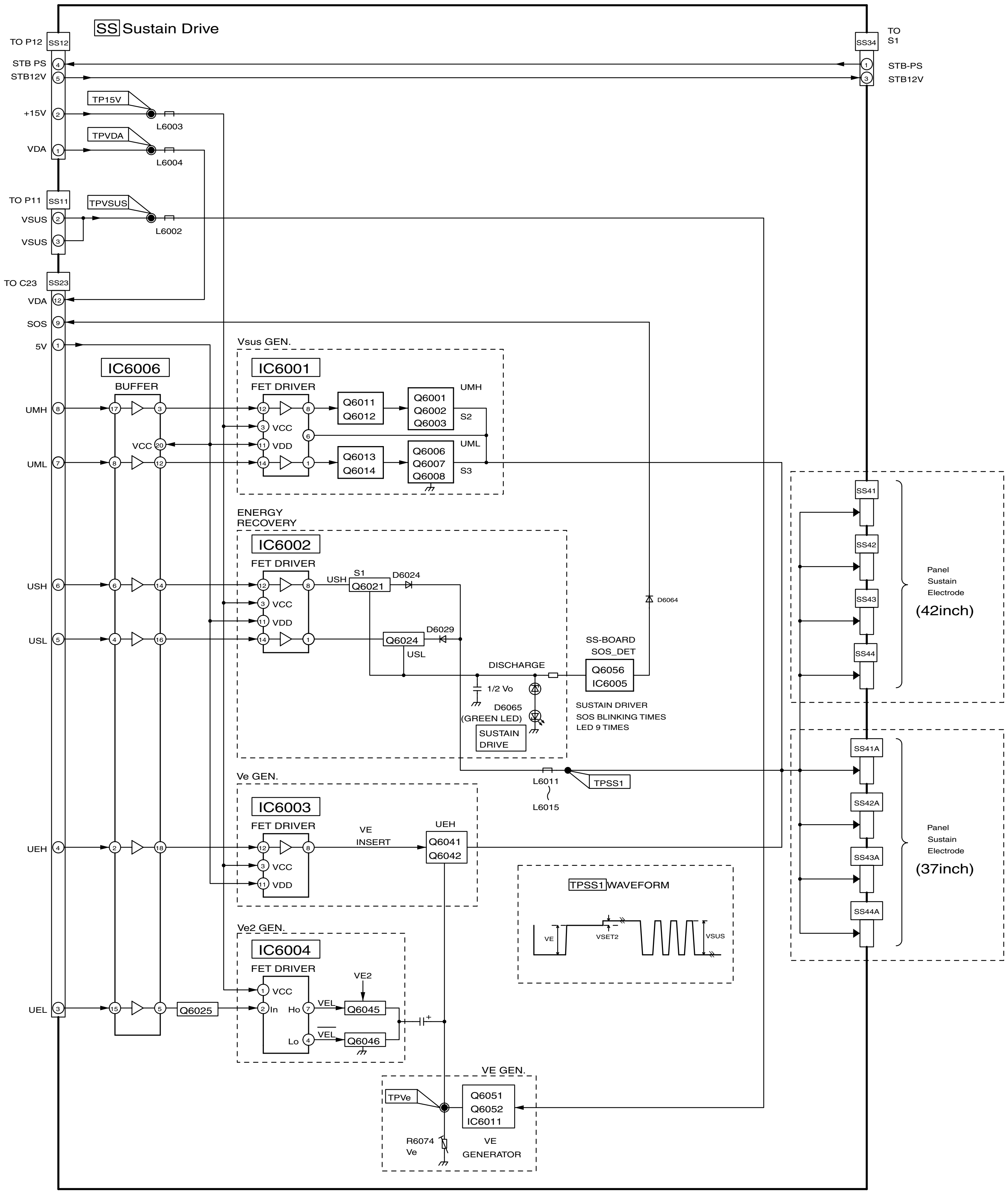
TH-37/42PWD8 SERIES
P-Board Block Diagram

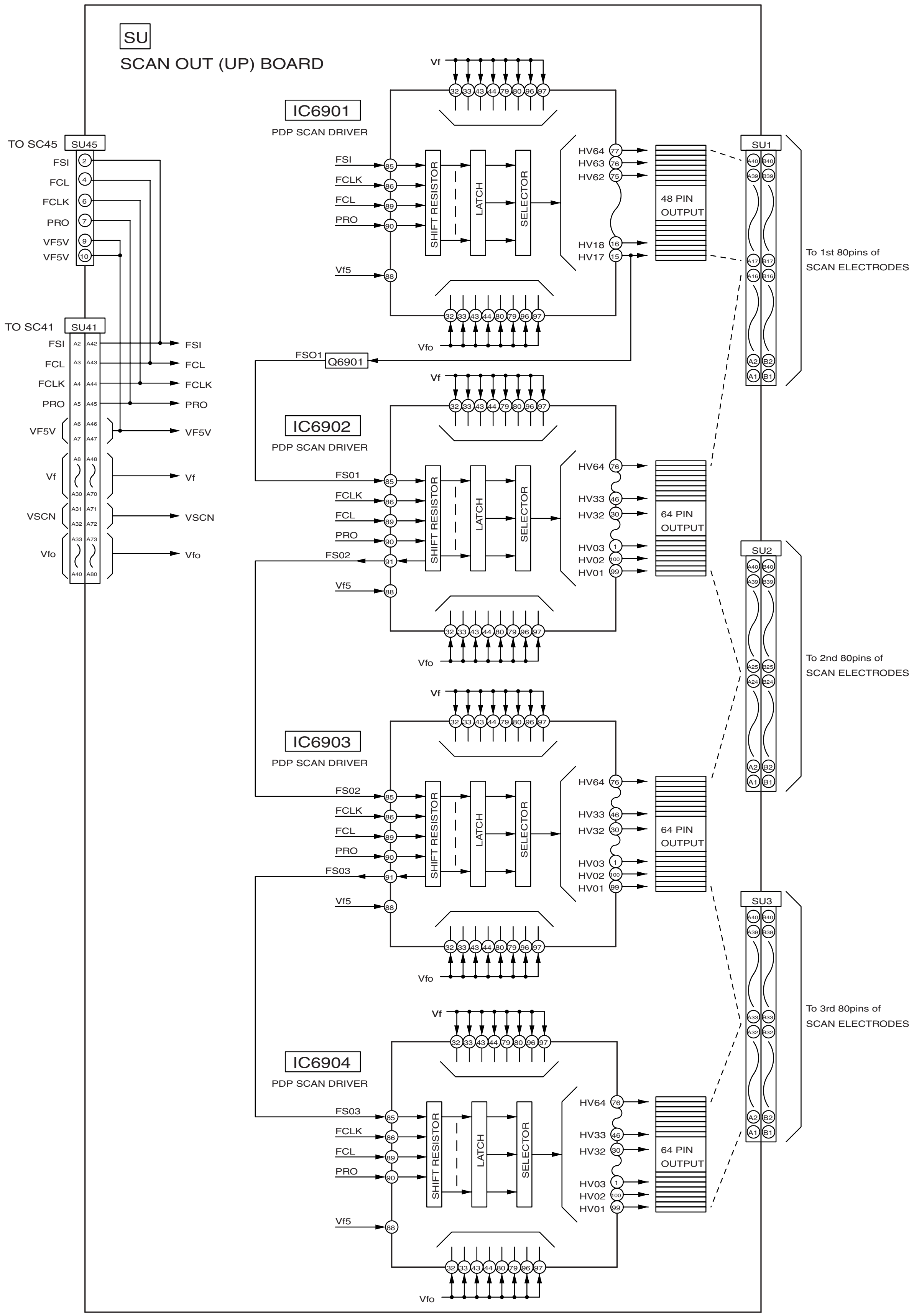

SC SCAN DRIVE
COLD CHASSIS GROUND
FLOATING GROUND
ENERGY RECOVERY
IC6602
FET DRIVER
CSH
Q6621
D6624
S
D
1/2 Vo
CSL
Q6624
D6629
L6611,12,13
L6614,15,16
IC6605
BUFFER
TO D20
SC20
CSL
CSH
CMH
CML
CEL
IC6607
AND GATE
4A
4B
4Y
3A
3B
3Y
2A
2B
2Y
Vsus GEN.
IC6601
FET DRIVER
Q6611
Q6612
Q6613
Q6614
S2 CMH
Q6601
Q6602
Q6603
VSUS
S3 CML
Q6606
Q6607
Q6608
IC6606
BUFFER
CPH
CEL2
CL
CLK
SIU
SID
SCSU
SOS1
SOS2
Q6583
Q6584
CEL
SCSU
D6584
IC6581
Q6581
SCAN DRIVER 2
SOS BLINKING TIMES
LED 7 TIMES
D6583
(GREEN LED)
SCAN DRIVE
TO P2
SC2
VSUS
VSUS
TO P23
SC23
+15V
+15V
PC6505
PHOTO COUPLER
CL
CLK
IC6501
BUFFER
FCLD
FCLU
FCLKD
FCLKU
PC6507
PHOTO COUPLER
SIU
SID
IC6502
BUFFER
FSIU
FSID
PC6509
PHOTO COUPLER
CEL2
PROU
PROD
VSCN perfect
IC6511
FET DRIVER
SC
VSCN
Q6511
SC
Q6512
Q6501
TPSC1
(Vfo)
Q6476
VAD+15V
Q6477
PC6510
PHOTO COUPLER
CPH
Q6502
VSET perfect
(VSET rise)
IC6521
FET DRIVER
CPH VSET
Q6520
Q6521
VSET INSERT
Q6530
CPH
Q6522
Q6529
VSET REG.
Q6491 IC6491
Q6492
VSUS
PC6503
PHOTO COUPLER
CEL
SCSU
Q6503
VSET perfect
IC6541
FET DRIVER
CEL
Q6541
Q6542
Q6549
VSET2 INSERT
Q6551
Q6552
CEL
VSCN GEN VSET
Q6461 T6461
Q6462 IC6456
Q6463 PC6517
VSCN GEN VSET
Q6451 IC6451
Q6454 IC6452
IC6453
AVR 15V
IC6455
AVR 5V
VSCN gen.
IC6542
FET DRIVER
Q6504
VAD INSERT
Q6553
Q6555
SCSU
Q6554
VAD
VAD GEN
Q6471 IC6471
Q6472 IC6472
Q6474 PC6474
T6471
PC6458
D6459
PHOTO COUPLER
+5V(SC1)
PC6469
D6470
PHOTO COUPLER
+5V(SC3)
PC6467
D6468
PHOTO COUPLER
Vscn(VAD+118V=28V)
PC6480
D6479
PHOTO COUPLER
VAD(-90V)
+5V(SC1),+5V(SC3)
Vscn,VAD(-90V)LINE
VOLTAGE DOWN DET
SCAN DRIVER 1
SOS BLINKING TIMES
LED 2 TIMES
TPSC1 WAVEFORM
VSET
VSUS
VSET2
VSCN
VAD
SC42
TO SD42
Vf
FSID
FCLD
FCLKD
PROD
VF5V
Vfo
SC46
TO SD46
FSID
FCLD
FCLKD
PROD
VF5V
VF5V
SC45
TO SU45
FSIU
FCLU
FCLKU
PROU
VF5V
VF5V
SC41
TO SU41
Vfo
Vf
VF5V
PROU
FCLKU
FCLU
FSIU

TH-37/42PWD8 SERIES
SC-Board Block Diagram

TH-37/42PWD8 SERIES
SC-Board Block Diagram


SD
SCAN OUT (DOWN) BOARD
TO SC46
SD46
FSI
FCL
FCLK
PRO
VF5V
VF5V
TO SC42
SD42
FSI
FCL
FCLK
PRO
VF5V
Vf
VSCN
Vfo
IC6955
PDP SCAN DRIVER
IC6956
PDP SCAN DRIVER
IC6957
PDP SCAN DRIVER
IC6958
PDP SCAN DRIVER
SHIFT RESISTOR
LATCH
SELECTOR
FS01
FS02
FS03
Vf5
HV64
HV33
HV32
HV03
HV02
HV01
HV63
HV62
HV18
HV17
64 PIN OUTPUT
48 PIN OUTPUT
SD1
SD2
SD3
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES

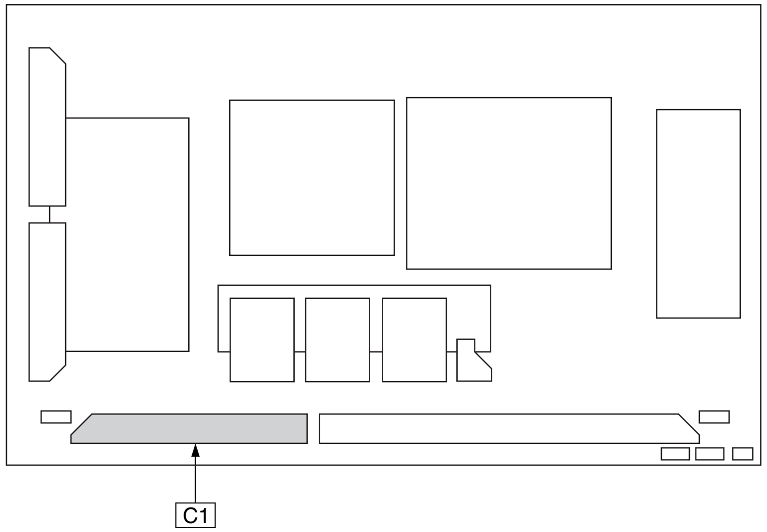

SS Sustain Drive
TO P12
SS12
STB PS
STB12V
+15V
VDA
TP15V
L6003
TPVDA
L6004
TO P11
SS11
VSUS
VSUS
TPVSUS
L6002
TO C23
SS23
VDA
SOS
5V
TO S1
SS34
STB-PS
STB12V
IC6006
BUFFER
UMH
UML
VCC
USH
USL
UEH
UEL
Q6025
Vsus GEN.
IC6001
FET DRIVER
VCC
VDD
Q6011
Q6012
Q6013
Q6014
Q6001
Q6002
Q6003
Q6006
Q6007
Q6008
UMH
S2
UML
S3
ENERGY RECOVERY
IC6002
FET DRIVER
VCC
VDD
USH
S1
Q6021
D6024
Q6024
D6029
USL
DISCHARGE
1/2 Vo
D6065
(GREEN LED)
SUSTAIN DRIVE
D6064
SS-BOARD
SOS_DET
Q6056
IC6005
SUSTAIN DRIVER
SOS BLINKING TIMES
LED 9 TIMES
L6011
L6015
TPSS1
Ve GEN.
IC6003
FET DRIVER
VCC
VDD
VE INSERT
UEH
Q6041
Q6042
Ve2 GEN.
IC6004
FET DRIVER
VCC
In
Ho
Lo
VE2
VEL
Q6045
VEL
Q6046
VE GEN.
TPVe
Q6051
Q6052
IC6011
R6074
Ve
VE GENERATOR
TPSS1 WAVEFORM
VE
VSET2
VSUS
SS41
SS42
SS43
SS44
Panel Sustain Electrode
(42inch)
SS41A
SS42A
SS43A
SS44A
Panel Sustain Electrode
(37inch)


SU
SCAN OUT (UP) BOARD
TO SC45
SU45
FSI
FCL
FCLK
PRO
VF5V
VF5V
TO SC41
SU41
FSI
FCL
FCLK
PRO
VF5V
Vf
VSCN
Vfo
IC6901
PDP SCAN DRIVER
IC6902
PDP SCAN DRIVER
IC6903
PDP SCAN DRIVER
IC6904
PDP SCAN DRIVER
Vf
Vfo
Vf5
FCLK
FCL
PRO
FSO1
Q6901
FS01
FS02
FS03
SHIFT RESISTOR
LATCH
SELECTOR
HV64
HV63
HV62
HV18
HV17
HV33
HV32
HV03
HV02
HV01
48 PIN OUTPUT
64 PIN OUTPUT
SU1
SU2
SU3
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES

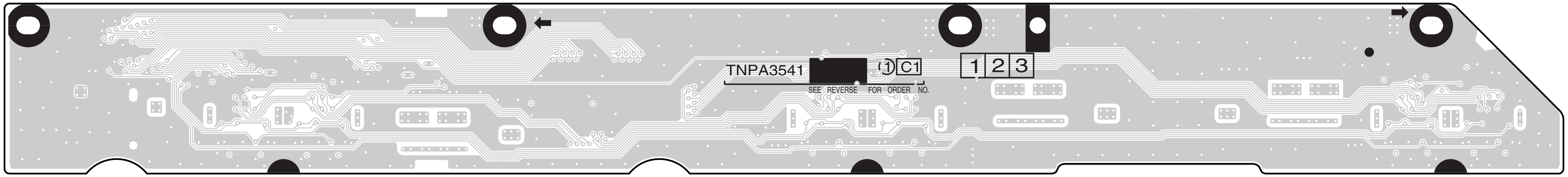
TH-37/42PWD8 SERIES
SU-Board Block Diagram

Parts Location

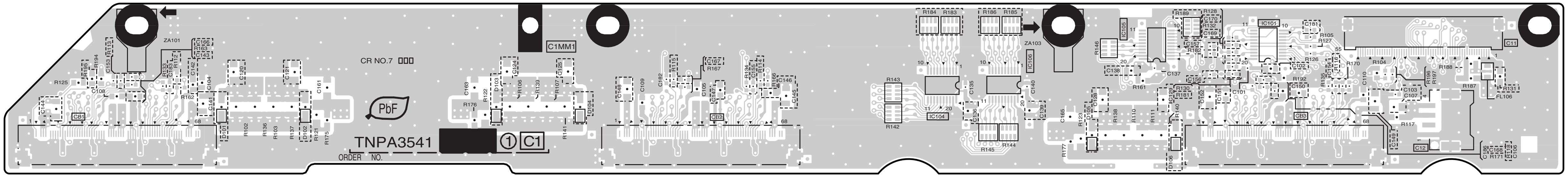
C1-BOARD	
IC	
IC7101	G-2
IC7104	F-2
IC7105	G-2
IC7106	F-2



C1-BOARD (FOIL SIDE)
TNPA3541


TNPA3541
① C1
SEE REVERSE FOR ORDER NO.
1 2 3

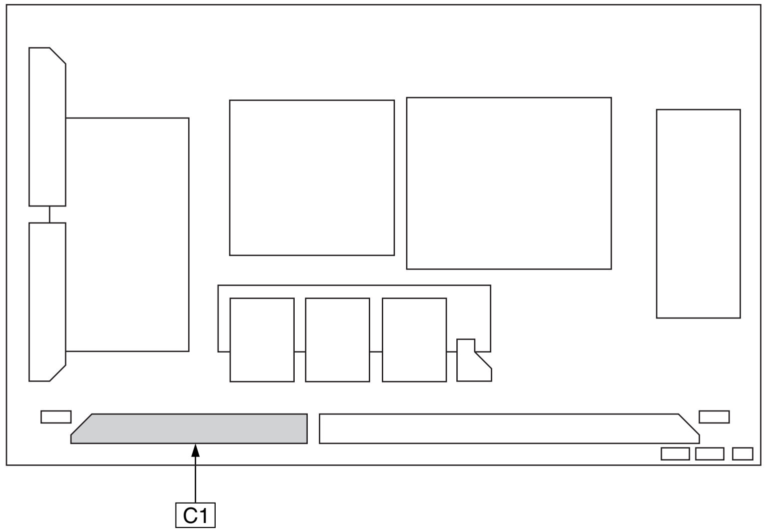
C1-BOARD (COMPONENT SIDE)
TNPA3541


ZA101
C1MM1
CR NO.7
PbF
TNPA3541
① C1
ORDER NO.
ZA103
IC104
IC106
IC101
C11
C12
FL106
R143
R142
R145
R144
R184
R183
R186
R185

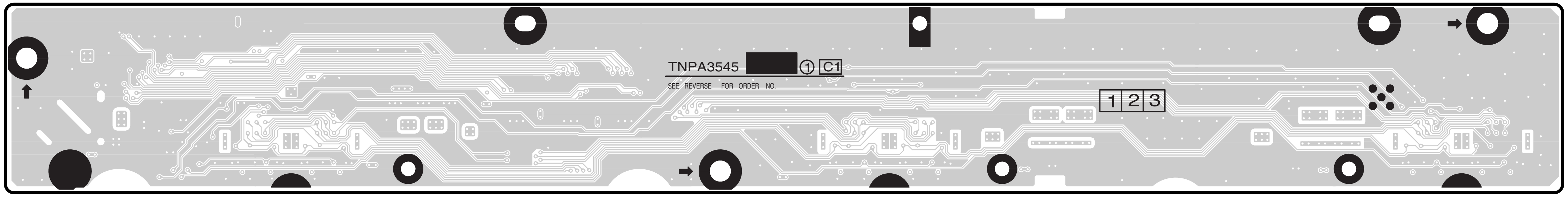
6
5
4
3
2
1

Parts Location

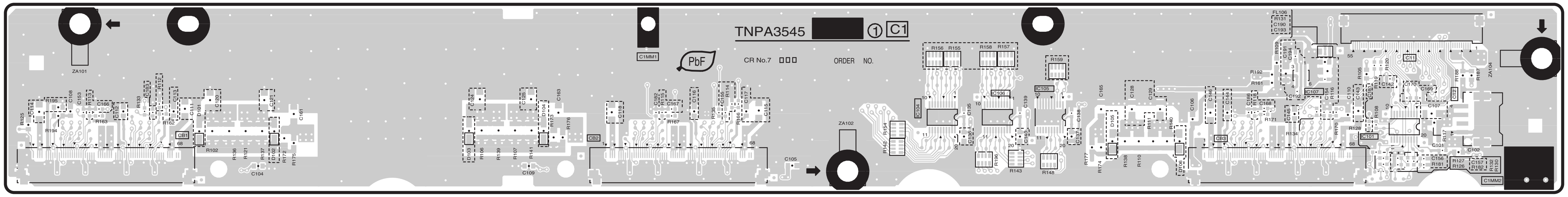
C1-BOARD	
IC	
IC7101	H-1
IC7104	E-2
IC7105	F-2
IC7106	F-2
IC7107	G-2



C1-BOARD(FOIL SIDE)
TNPA3545

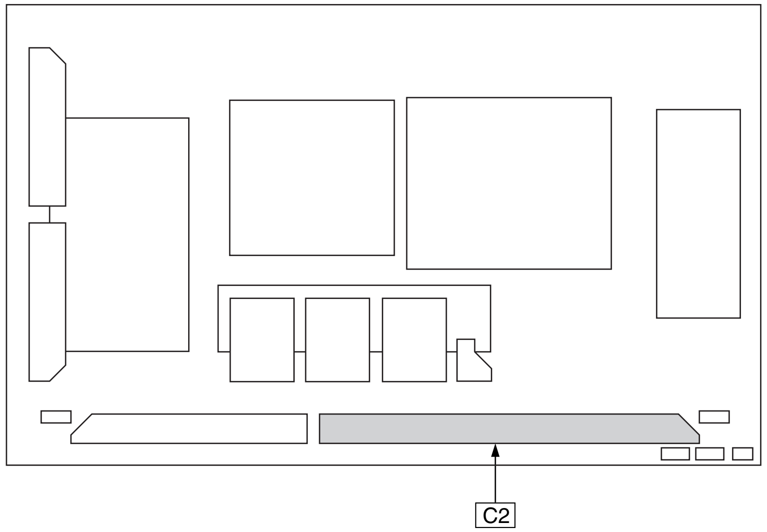

TNPA3545
① C1
SEE REVERSE FOR ORDER NO.
1 2 3

C1-BOARD(COMPONENT SIDE)
TNPA3545

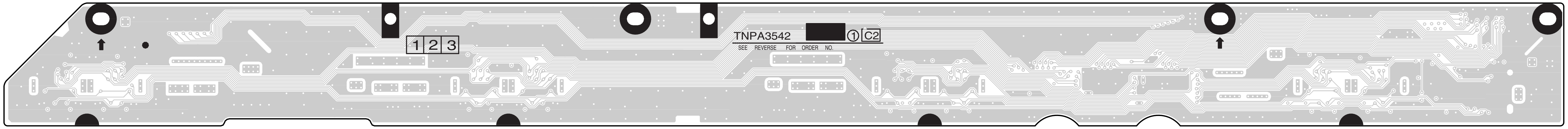

TNPA3545
① C1
CR No.7
ORDER NO.
PbF
ZA101
ZA102
ZA104
C1MM1
C1MM2
CB1
CB2
CB3
FL106
C104
C105
C109
C111
R102
R143
R148
R156
R155
R158
R157
R159
R131
C190
C193
C102
R127
R126
R181

Parts Location

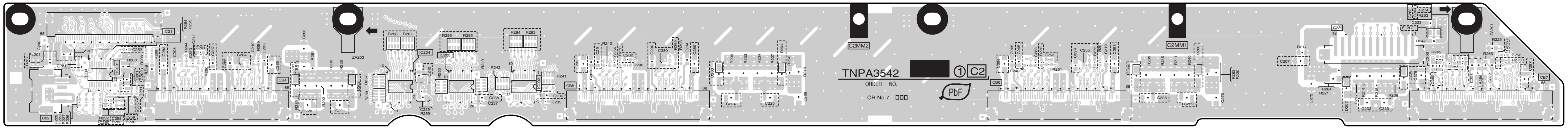
C2-BOARD	
IC	
IC7201	A-2
IC7202	D-2
IC7203	C-2
IC7204	C-2



C2-BOARD (FOIL SIDE)
TNPA3542

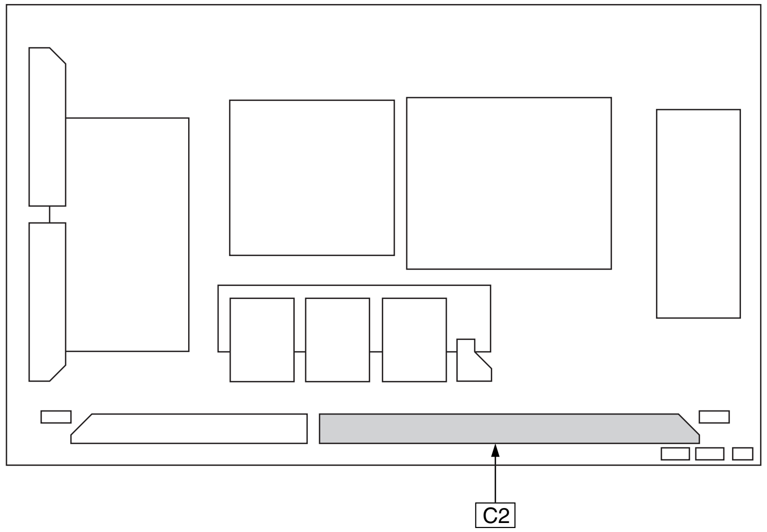

1 2 3
TNPA3542 ① C2
SEE REVERSE FOR ORDER NO.

C2-BOARD (COMPONENT SIDE)
TNPA3542

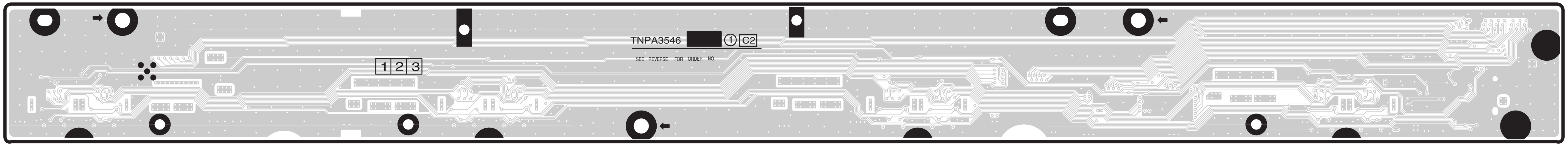

C2MM2
C2MM1
TNPA3542 ① C2
ORDER NO.
CR No.7
PbF
ZA203
ZA201

Parts Location

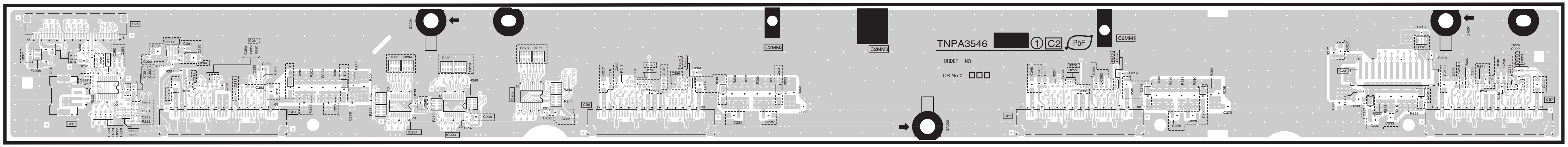
C2-BOARD	
IC	
IC7201	A-2
IC7202	D-2
IC7203	C-2
IC7204	C-2
IC7205	B-2



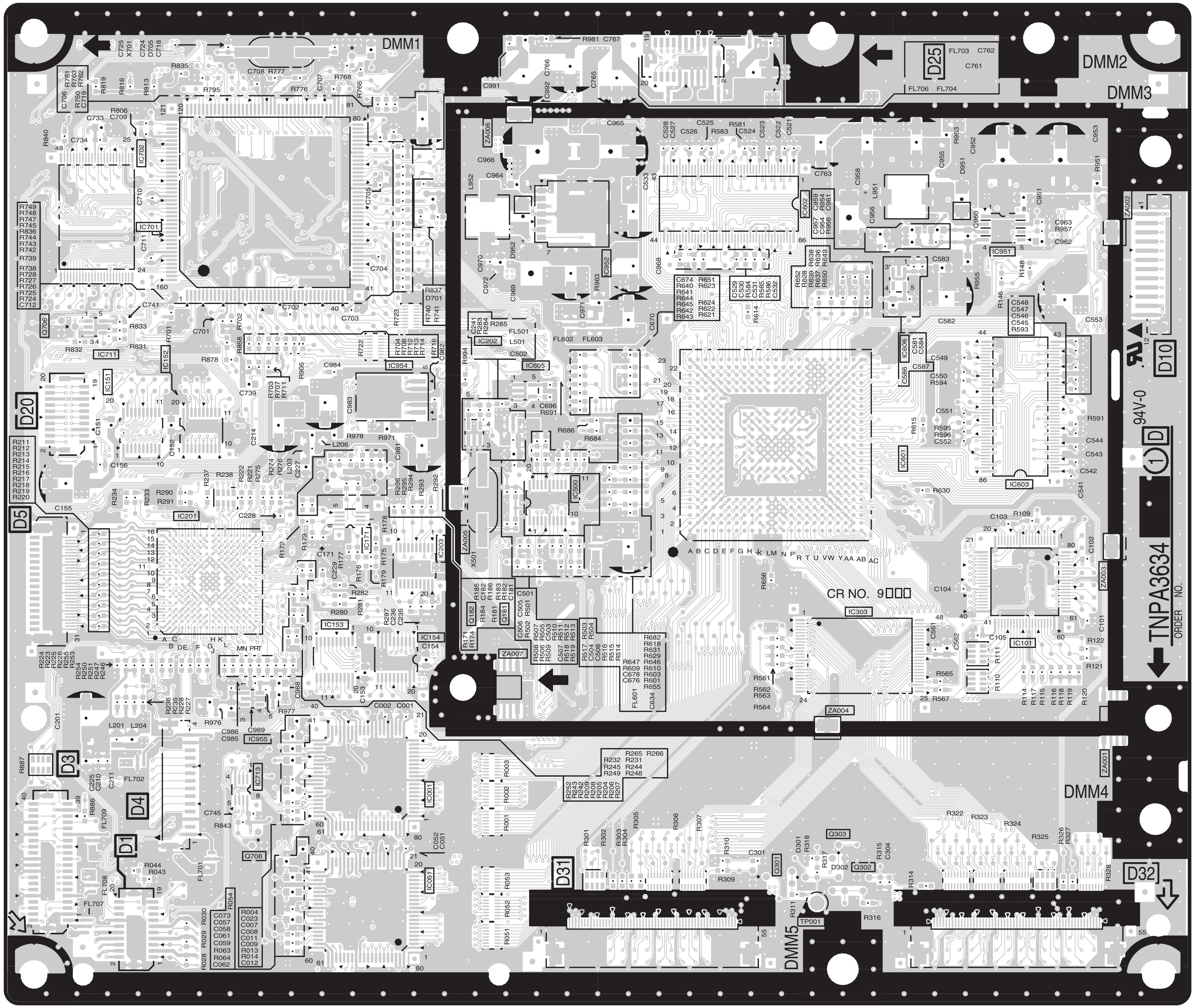
C2-BOARD(FOIL SIDE)
TNPA3546

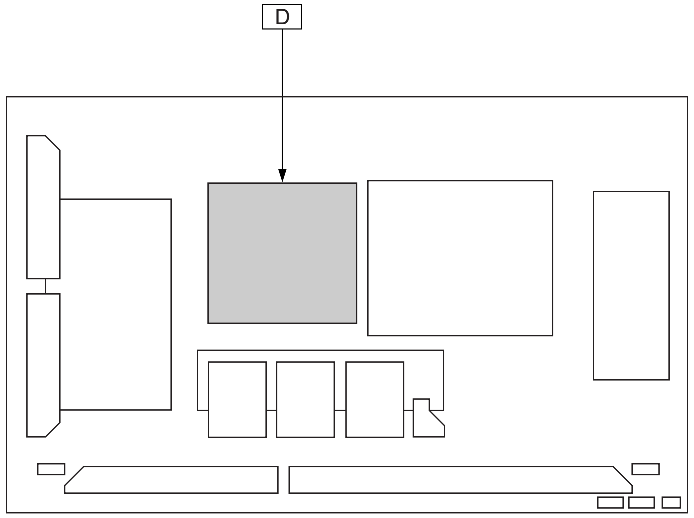

TNPA3546
① C2
SEE REVERSE FOR ORDER NO.
1 2 3

C2-BOARD(COMPONENT SIDE)
TNPA3546


TNPA3546
① C2 PbF
ORDER NO.
CR No.7
C2MM1
C2MM2
C2MM3

D-BOARD(COMPONENT SIDE)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


DMM1
DMM2
DMM3
DMM4
DMM5
D25
D10
D20
D5
D3
D4
D1
D31
D32
TNPA3634
94V-0
① D
ORDER NO.
CR NO. 9□□□
IC701
IC711
IC151
IC152
IC201
IC202
IC153
IC171
IC203
IC154
IC955
IC713
IC001
IC051
IC951
IC952
IC954
IC605
IC606
IC601
IC603
IC303
IC101
IC500
ZA001
ZA002
ZA003
ZA004
ZA005
ZA006
ZA007
Q708
Q301
Q302
Q303
TP001
X501
X701
FL501
FL601
FL602
FL603
FL701
FL702
FL703
FL704
FL706
FL707
FL708
FL709



Parts Location

D-BOARD (COMPONENT SIDE)

IC	
IC9001	C-2
IC9051	C-2
IC9101	F-3
IC9151	A-4
IC9152	B-4
IC9153	B-3
IC9154	C-3
IC9171	C-3
IC9201	B-3
IC9202	C-4
IC9203	C-3
IC9303	E-3
IC9500	D-3
IC9601	E-4
IC9602	E-5
IC9603	F-4
IC9605	C-4
IC9606	E-4
IC9701	A-5
IC9702	A-5
IC9711	A-4
IC9713	B-2
IC9951	F-5
IC9952	D-5
IC9954	C-4
IC9955	B-2

TRANSISTOR	
Q9181	C-3
Q9182	C-3
Q9301	E-2
Q9302	E-2
Q9303	E-2
Q9706	A-4
Q9708	B-2

TP	
TP9001	E-1

TH-37PWD8GK/GS/UK D-BOARD TZTNP01YLSU
TH-37PWD8BK/BS/EK/ES D-BOARD TZTNP01YLSE
TH-42PWD8GK/GS/UK D-BOARD TZTNP01YNSU
TH-42PWD8BK/BS/EK/ES D-BOARD TZTNP01YNSE

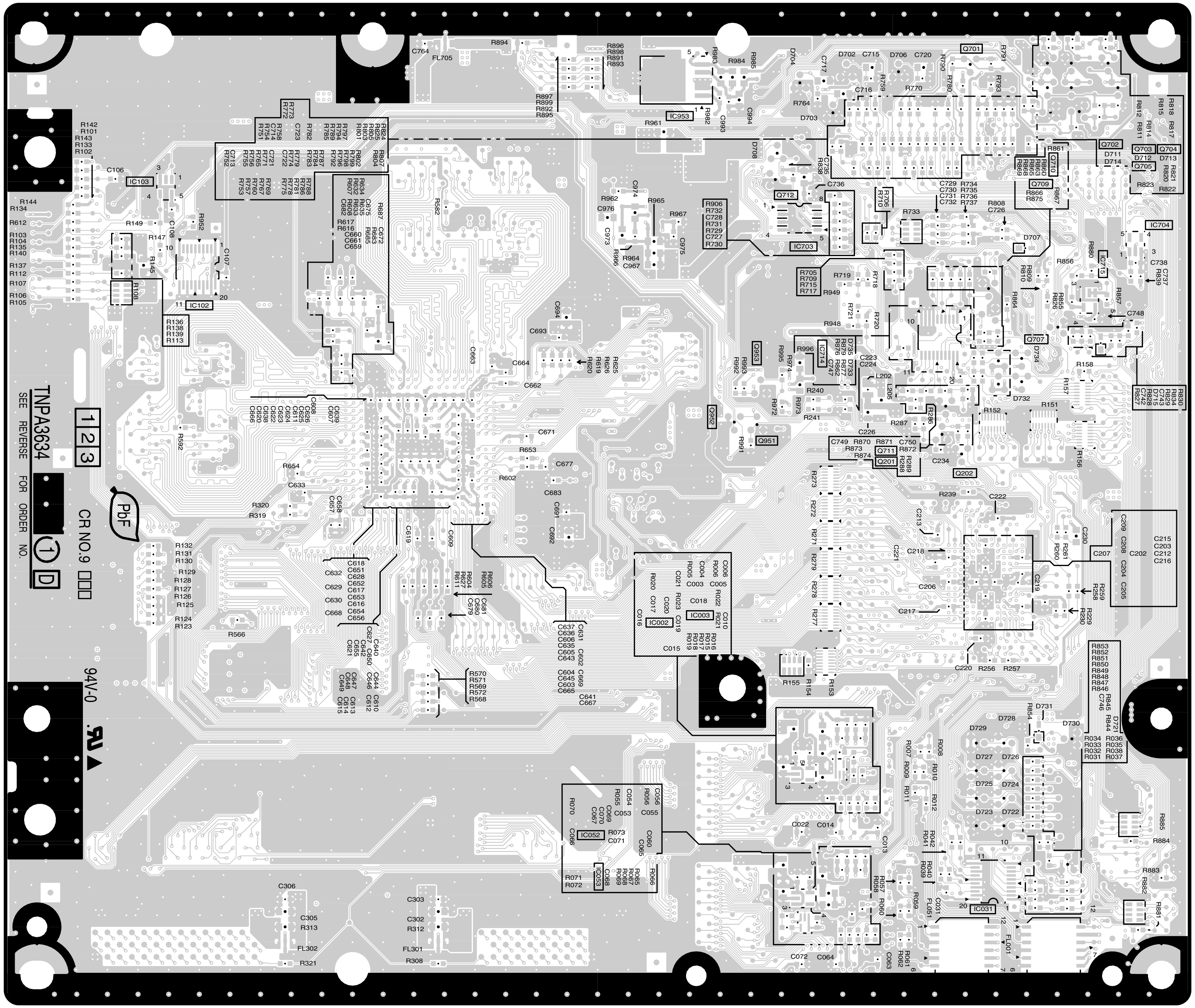
TH-37PWD8GK/GS/UK D-BOARD TZTNP01YLSU
TH-37PWD8BK/BS/EK/ES D-BOARD TZTNP01YLSE

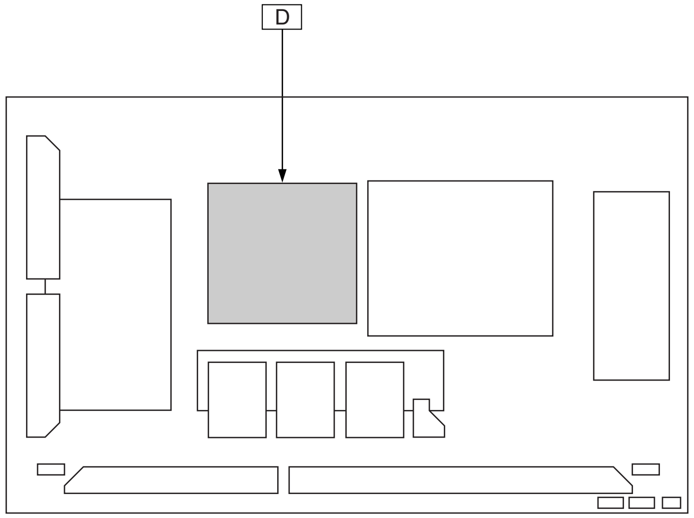
TH-42PWD8GK/GS/UK D-BOARD TZTNP01YNSU
TH-42PWD8BK/BS/EK/ES D-BOARD TZTNP01YNSE

6
5
4
3
2
1

A B C D E F G H I

D-BOARD(FOIL SIDE)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BSEK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TNPA3634
SEE REVERSE FOR ORDER NO.
CR NO.9
1 2 3
D
PbF
94V-0
IC103
IC102
IC953
IC703
IC704
IC715
IC002
IC003
IC052
IC053
IC031
Q712
Q701
Q702
Q703
Q704
Q705
Q709
Q710
Q707
Q711
Q201
Q202
Q951
Q952
Q953
FL705
FL302
FL301
FL051
FL001



Parts Location

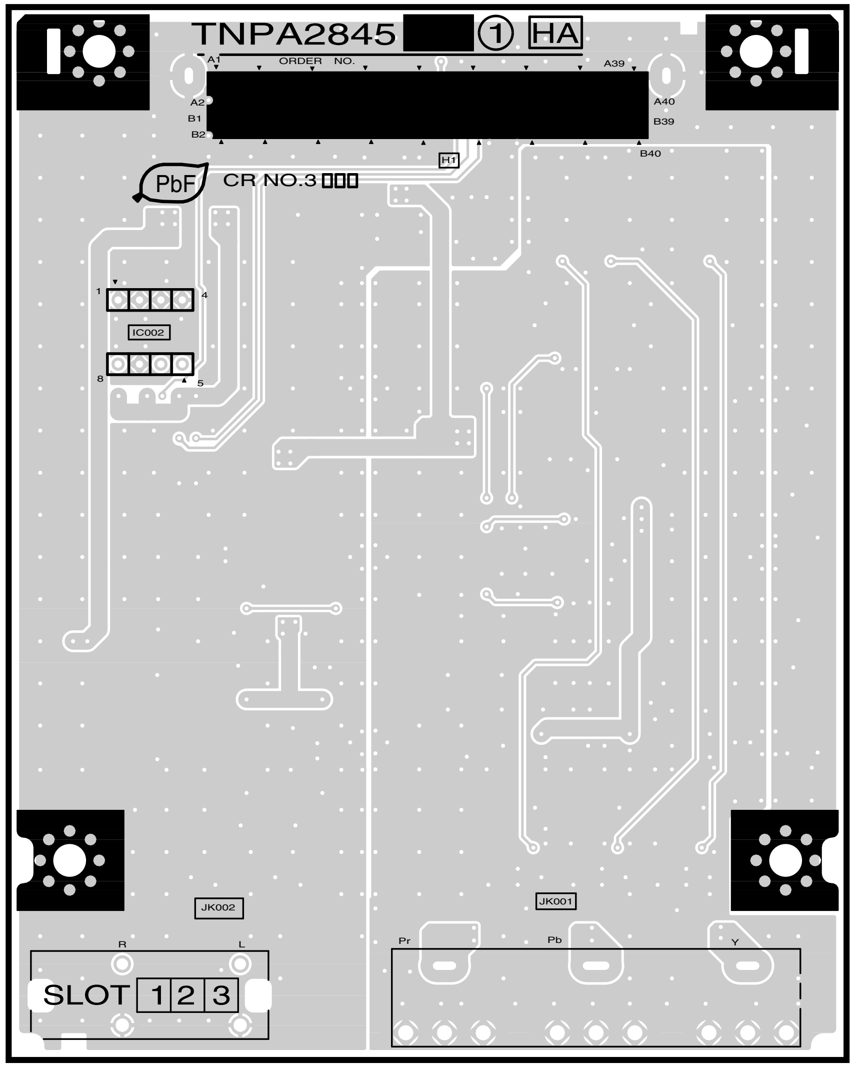
D-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC9002	D-3	Q9201	E-4
IC9003	D-3	Q9202	E-4
IC9031	F-1	Q9701	F-6
IC9052	D-2	Q9702	F-5
IC9053	D-2	Q9703	F-5
IC9102	B-4	Q9704	F-5
IC9103	A-5	Q9705	F-5
IC9703	E-5	Q9707	F-4
IC9704	F-5	Q9709	F-5
IC9714	E-4	Q9710	F-5
IC9715	F-5	Q9711	E-4
IC9953	D-5	Q9712	E-5
		Q9951	E-4
		Q9952	D-4
		Q9953	D-4

TH-37PWD8GK/GS/UK D-BOARD TZTNP01YLSU
TH-37PWD8BK/BS/EK/ES D-BOARD TZTNP01YLSE

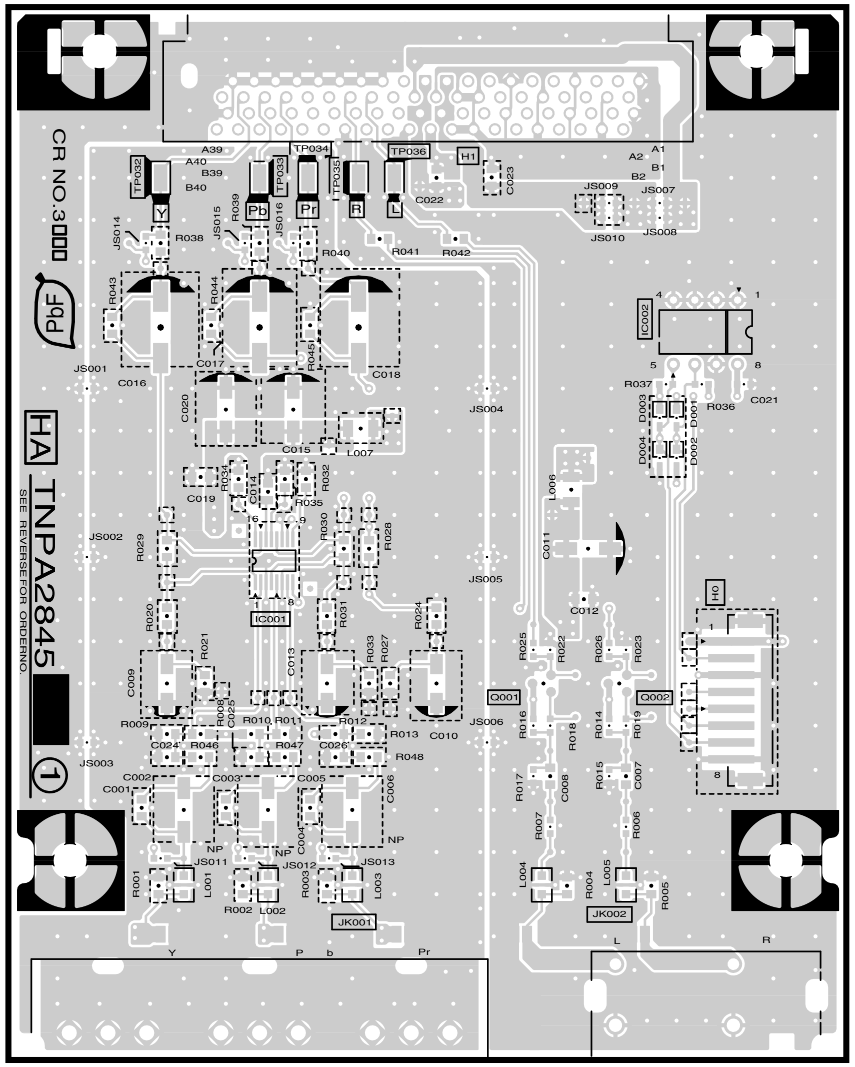
TH-42PWD8GK/GS/UK D-BOARD TZTNP01YNSU
TH-42PWD8BK/BS/EK/ES D-BOARD TZTNP01YNSE

TH-37PWD8GK/GS/UK D-BOARD TZTNP01YLSU
TH-37PWD8BK/BS/EK/ES D-BOARD TZTNP01YLSE
TH-42PWD8GK/GS/UK D-BOARD TZTNP01YNSU
TH-42PWD8BK/BS/EK/ES D-BOARD TZTNP01YNSE

HA-BOARD(FOIL SIDE)
TXNHA10RBS


TNPA2845
①
HA
A1
ORDER NO.
A39
A2
B1
B2
A40
B39
B40
H1
PbF
CR NO.3
1
4
IC002
8
5
JK002
JK001
R
L
Pr
Pb
Y
SLOT
1
2
3

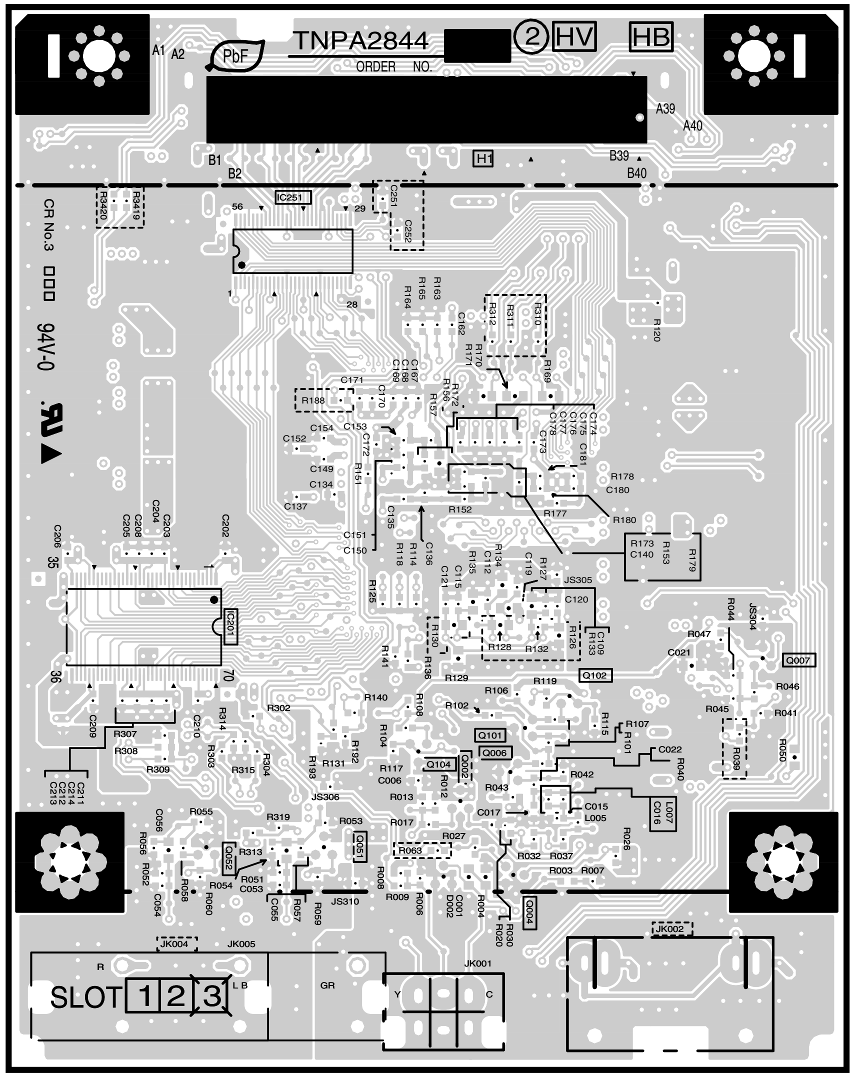
HA-BOARD(COMPONENT SIDE)
TXNHA10RBS


CR NO.3
PbF
HA
TNPA2845
SEE REVERSE FOR ORDER NO.
①
A39
A40
B39
B40
A2
A1
B1
B2
TP032
TP033
TP034
TP035
TP036
H1
Y
Pb
Pr
R
L
C022
C023
JS009
JS007
JS010
JS008
JS014
JS015
JS016
R038
R039
R040
R041
R042
R043
R044
R045
C016
C017
C018
JS001
C020
C015
L007
IC002
R037
R036
C021
D001
D002
D003
D004
JS004
C019
R034
R035
R032
R030
R028
R029
JS002
JS005
L006
C011
C012
H0
IC001
R020
R021
R031
R024
R033
R027
C009
C013
R025
R022
R026
R023
Q001
Q002
C025
R009
R008
R010
R011
R012
R013
C010
JS006
R016
R018
R014
R019
C024
R046
R047
C026
R048
JS003
C002
C001
C003
C004
C005
C006
R017
C008
R015
C007
R007
R006
NP
JS011
JS012
JS013
R001
L001
R002
L002
R003
L003
L004
R004
L005
R005
JK001
JK002
Y
P
b
Pr
L
R
8

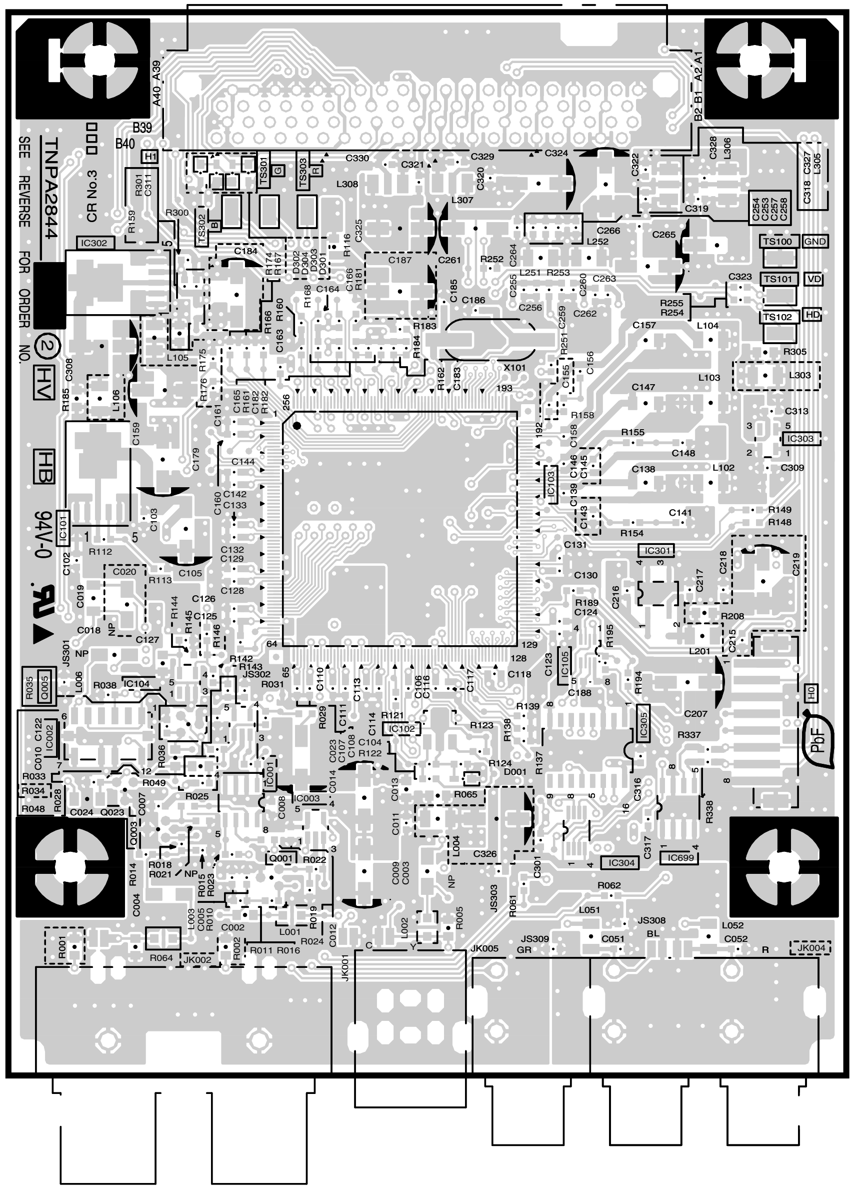
Parts Location

HA-BOARD			
IC		**TP**	
IC3001	E-3	TP3032	E-4
IC3002	F-4	TP3033	E-4
TRANSISTOR		TP3034	E-4
Q3001	F-2	TP3035	E-4
Q3002	F-2	TP3036	E-4

HB-BOARD(FOIL SIDE)
TXNHB10QXS


TNPA2844
ORDER NO.
HV
HB
PbF
CR No.3
94V-0
SLOT 1 2 3
JK001
JK002
JK004
JK005

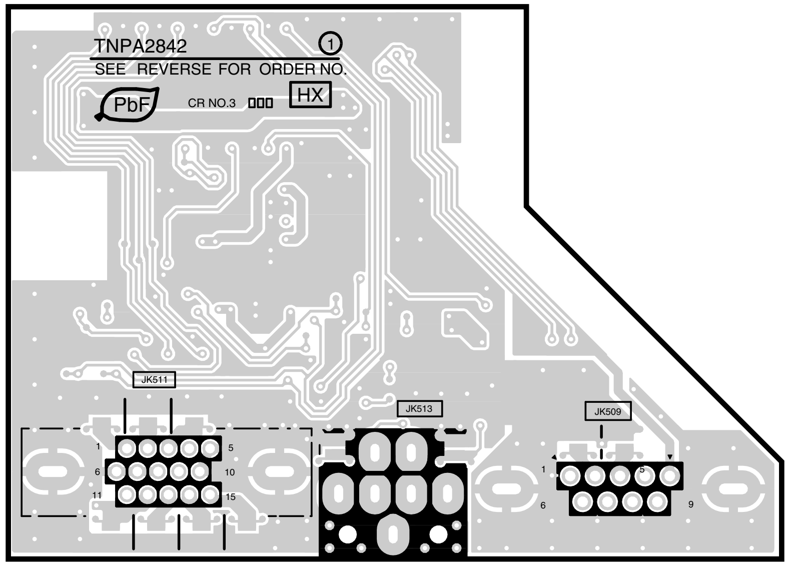
HB-BOARD(COMPONENT SIDE)
TXNHB10QXS


TNPA2844
SEE REVERSE FOR ORDER NO.
CR No.3
HV
HB
94V-0
PbF
TS100
TS101
TS102
GND
VD
HD
JK001
JK002
JK004
JK005

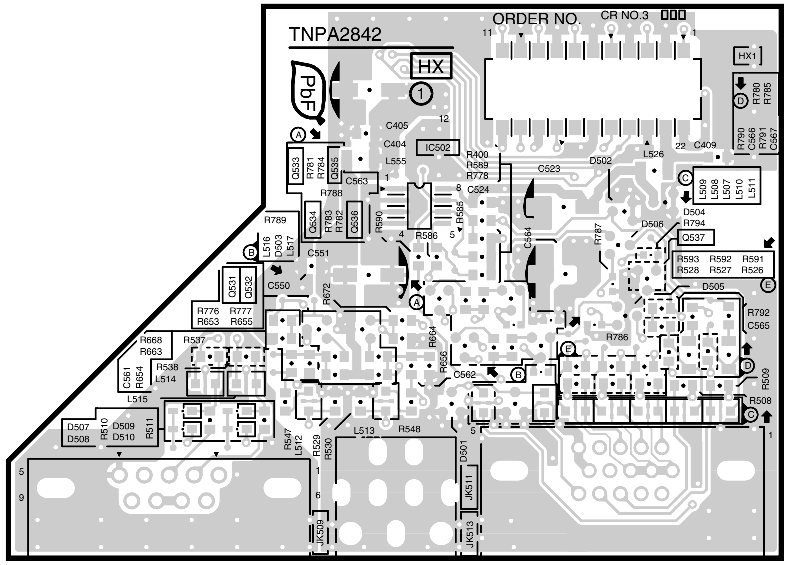
Parts Location

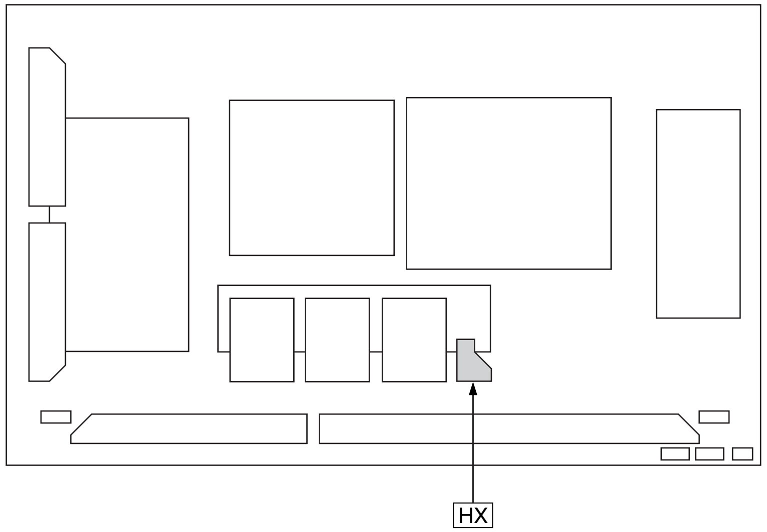
HB-BOARD			
IC		**TRANSISTOR**	
IC3001	E-2	Q3001	E-2
IC3002	D-2	Q3002	B-2
IC3003	E-2	Q3003	E-2
IC3101	D-3	Q3004	C-2
IC3102	E-2	Q3005	D-2
IC3103	F-3	Q3006	B-2
IC3104	E-2	Q3007	C-2
IC3105	F-2	Q3023	D-2
IC3201	B-3	Q3051	B-2
IC3251	B-4	Q3052	B-2
IC3301	F-3	Q3101	B-2
IC3302	D-4	Q3102	C-2
IC3303	G-3	Q3104	B-2
IC3304	F-2	**TP**	
IC3305	F-2	TS3100	G-4
IC3699	F-2	TS3101	G-4
		TS3102	G-4
		TS3301	E-4
		TS3302	E-4
		TS3303	E-4

HX-BOARD(FOIL SIDE)
TZTNP020YLS


TNPA2842
①
SEE REVERSE FOR ORDER NO.
PbF
CR NO.3
HX
JK511
JK513
JK509
5
6
10
11
15
1
6
9

HX-BOARD(COMPONENT SIDE)
TZTNP020YLS

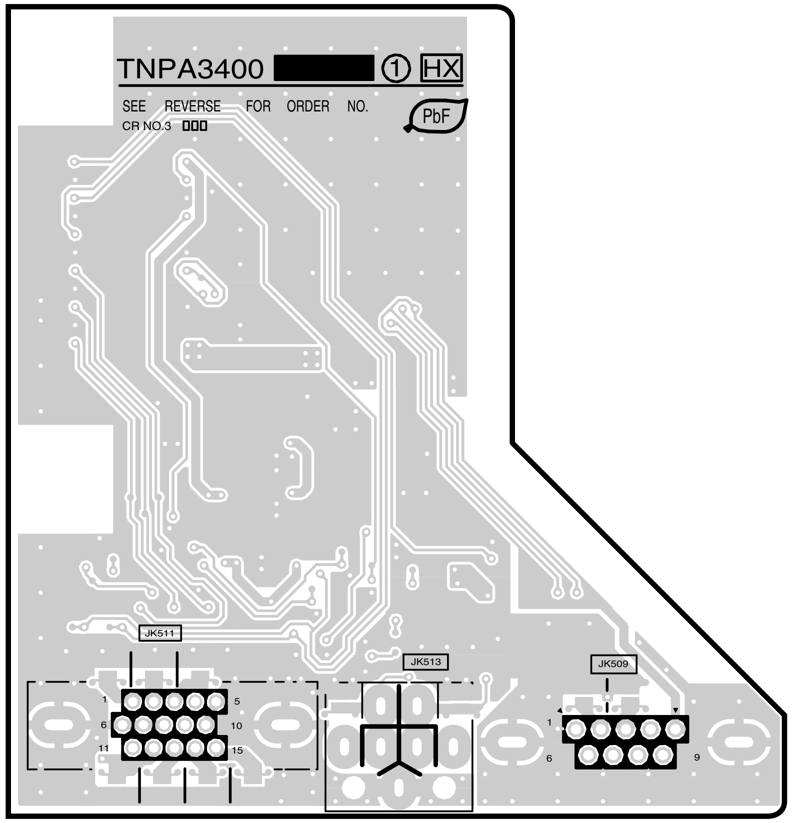

TNPA2842
ORDER NO.
CR NO.3
HX
①
PbF
HX1
IC502
C405
C404
L555
R400
R589
R778
C523
D502
L526
C409
Q533
R781
R784
Q535
R788
C563
C524
R789
Q534
R783
R782
Q536
R590
R586
R585
C564
R787
D504
R794
D506
Q537
R593
R592
R591
R528
R527
R526
L516
D503
L517
C551
C550
Q531
Q532
R776
R777
R653
R655
R672
D505
R792
C565
R668
R663
R537
C561
R654
R538
L514
L515
R664
R656
C562
R786
R509
R508
D507
D508
R510
D509
D510
R511
R547
L512
R529
R530
L513
R548
D501
JK511
JK509
JK513
L509
L508
L507
L510
L511
R780
R785
R790
C566
R791
C567
A
B
C
D
E



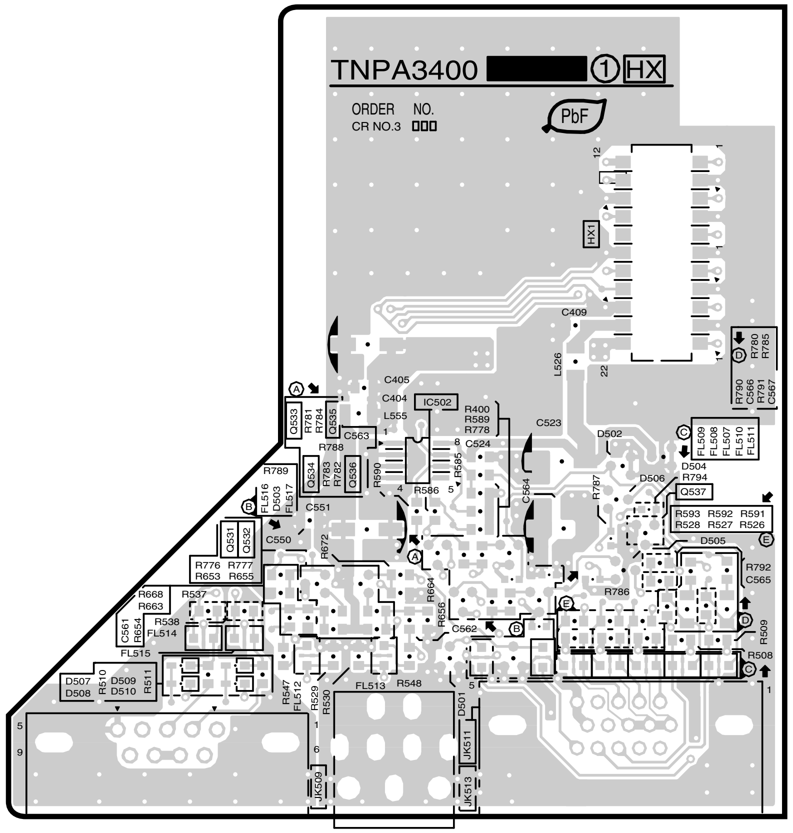
Parts Location

HX-BOARD			
IC		**TRANSISTOR**	
IC3502	E-4	Q3531	D-4
		Q3532	D-4
		Q3533	E-4
		Q3534	E-4
		Q3535	E-4
		Q3536	E-4
		Q3537	F-4

HX-BOARD(FOIL SIDE)
TZTNP020YNS


TNPA3400
①
HX
SEE REVERSE FOR ORDER NO.
CR NO.3
PbF
JK511
JK513
JK509
1
5
6
10
11
15
1
5
6
9

HX-BOARD(COMPONENT SIDE)
TZTNP020YNS


TNPA3400
①
HX
ORDER NO.
CR NO.3
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12
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R780
R785
R790
C566
R791
C567
C405
C404
L555
IC502
R400
R589
R778
C524
C523
D502
Q533
R781
R784
Q535
C563
R788
Q534
R783
R782
Q536
R590
R595
R586
C564
R787
FL509
FL508
FL507
FL510
FL511
D504
R794
D506
Q537
R789
FL516
D503
FL517
C551
C550
Q531
Q532
R672
R593
R592
R591
R528
R527
R526
D505
R776
R777
R653
R655
R664
R792
C565
R668
R663
R537
R786
R656
C561
R654
R538
FL514
FL515
C562
R509
R508
D507
D508
R510
D509
D510
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FL513
R548
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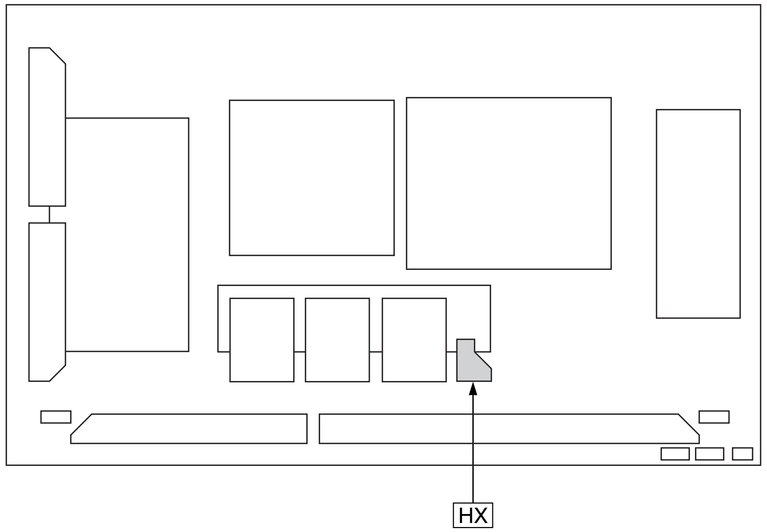
JK511
JK509
JK513
A
B
C
D
E

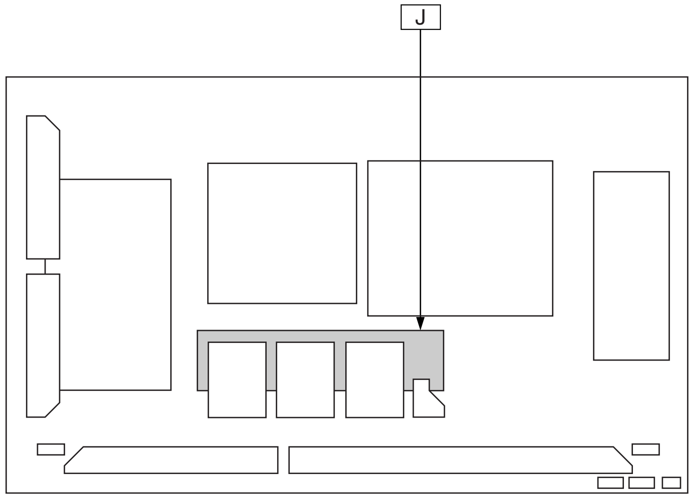


Parts Location

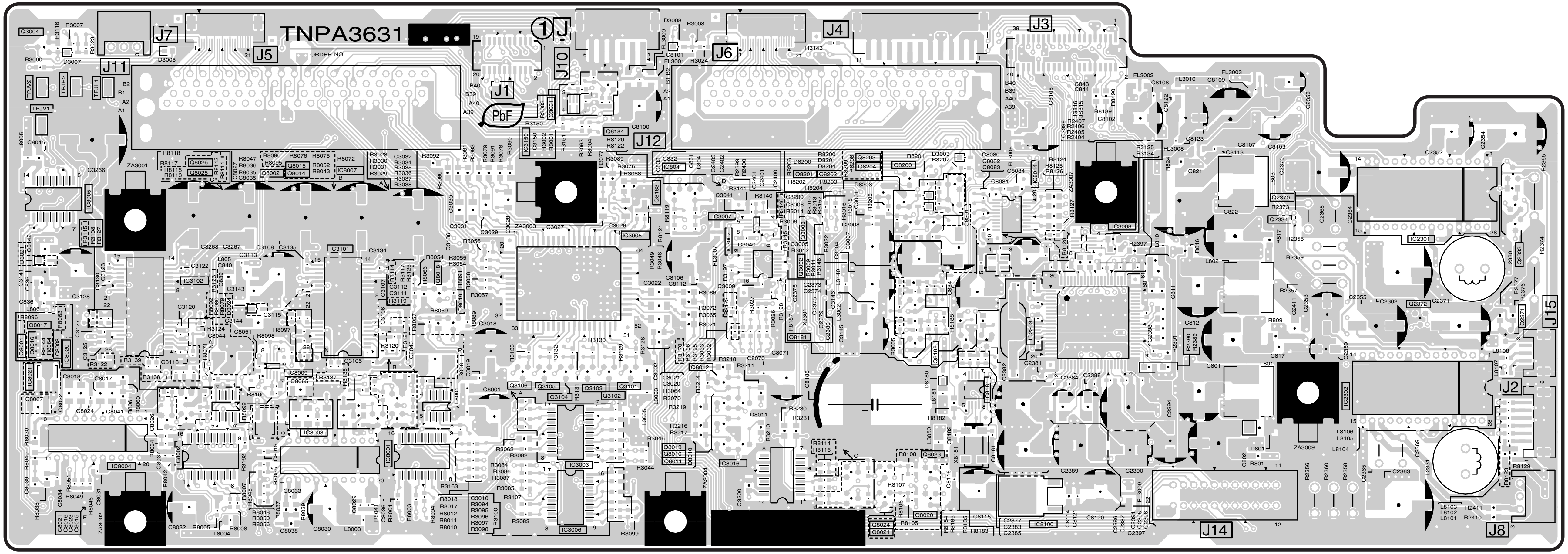
HX-BOARD			
IC		**TRANSISTOR**	
IC3502	E-4	Q3531	D-3
		Q3532	D-3
		Q3533	E-3
		Q3534	E-3
		Q3535	E-3
		Q3536	E-3
		Q3537	F-3

Parts Location

J-BOARD (COMPONENT SIDE)	
IC	
IC804	D-3
IC2301	H-3
IC2302	H-2
IC2303	F-2
IC3002	E-3
IC3003	D-2
IC3005	D-3
IC3006	D-1
IC3007	E-3
IC3008	G-3
IC3101	C-3
IC3102	B-3
IC3150	D-3
IC8001	C-2
IC8002	B-2
IC8003	B-2
IC8004	A-2
IC8005	A-3
IC8007	C-3
IC8008	A-2
IC8009	B-2
IC8014	F-3
IC8016	E-2
IC8020	A-2
IC8021	A-2
IC8100	F-1
IC8181	F-2
TRANSISTOR	
Q2333	I-3
Q2334	H-3
Q2370	H-3
Q2371	I-2
Q2372	H-2
Q3001	D-3
Q3002	E-3
Q3003	E-3
Q3004	A-4
Q3101	D-2
Q3102	D-2
Q3103	D-2
Q3104	D-2
Q3105	D-2
Q3106	D-2
Q8001	A-2
Q8002	B-3
Q8010	D-2
Q8011	D-2
Q8012	E-2
Q8013	D-2
Q8014	B-3
Q8015	B-3
Q8016	A-2
Q8017	A-2
Q8018	C-3
Q8019	C-2
Q8020	F-1
Q8021	F-1
Q8023	F-2
Q8024	F-1
Q8025	B-1
Q8026	B-3
Q8181	E-2
Q8182	F-2
Q8183	D-3
Q8184	D-3
Q8200	F-3
Q8201	E-3
Q8202	E-3
Q8203	E-3
Q8204	E-3
TP	
TPJH1	A-4
TPJH2	A-4
TPJV1	A-3
TPJV2	A-4



J-BOARD(COMPONENT SIDE)
TNPA3631AB



Parts Location

J-BOARD (COMPONENT SIDE)

IC

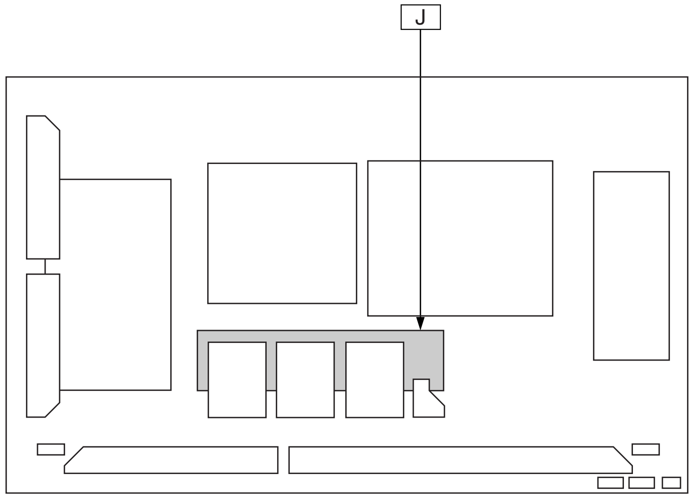
IC801	G-2
IC802	E-2
IC803	E-2
IC804	G-3
IC2301	I-4
IC2302	H-3
IC2303	F-2
IC2305	H-4
IC3001	E-3
IC3002	D-3
IC3003	D-2
IC3004	D-2
IC3005	C-3
IC3006	D-2
IC3007	D-3
IC3008	G-3
IC3101	B-3
IC3102	B-3
IC3150	C-4
IC8001	C-2
IC8002	B-2
IC8003	B-2
IC8004	A-2
IC8005	A-2
IC8007	B-3
IC8008	B-2
IC8009	B-3
IC8014	G-2
IC8016	E-2
IC8020	B-2
IC8021	A-2
IC8100	F-2
IC8181	F-2

TRANSISTOR

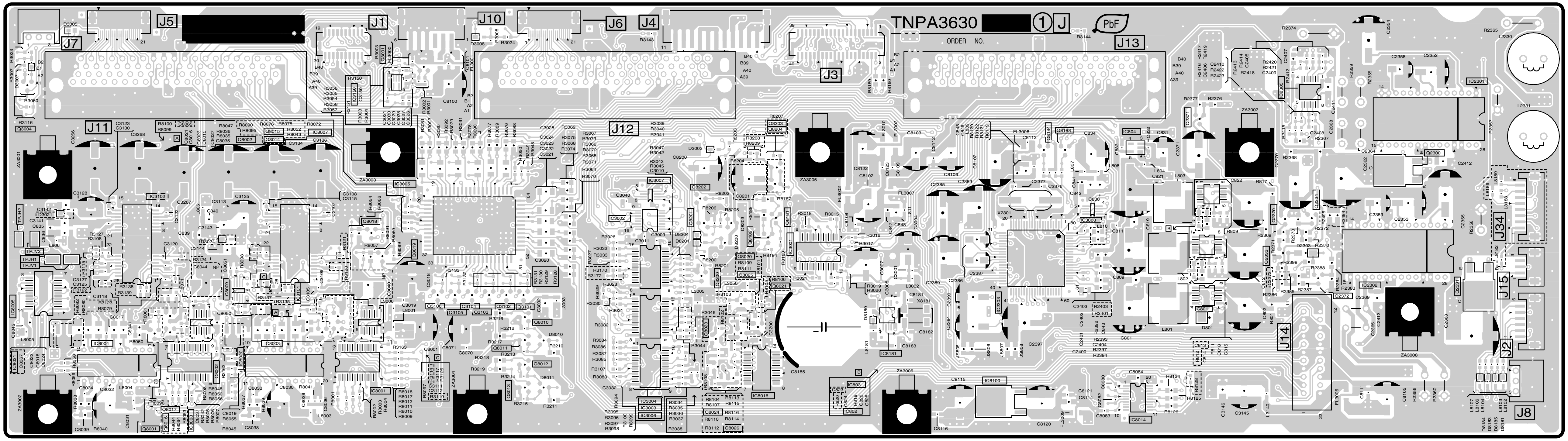
Q2300	H-3
Q2331	I-2
Q2333	H-3
Q2334	H-3
Q2370	H-3
Q2371	G-2
Q2372	H-2
Q3001	C-4
Q3004	A-3
Q3101	D-2
Q3102	C-2
Q3103	C-2
Q3104	C-2
Q3105	C-2
Q3106	C-2
Q8001	B-2
Q8002	B-3
Q8010	D-2
Q8011	C-2
Q8012	D-2
Q8013	C-2
Q8014	B-3
Q8015	B-3
Q8016	B-2
Q8017	B-2
Q8018	C-3
Q8019	C-3
Q8020	E-3
Q8021	E-3
Q8023	E-2
Q8024	E-2
Q8025	E-3
Q8026	E-2
Q8181	E-2
Q8182	E-3
Q8183	F-3
Q8184	F-3
Q8200	E-3
Q8201	D-3
Q8202	E-3
Q8203	E-3
Q8204	E-3

TP

TPJH1	A-3
TPJH2	A-3
TPJV1	A-3
TPJV2	A-3

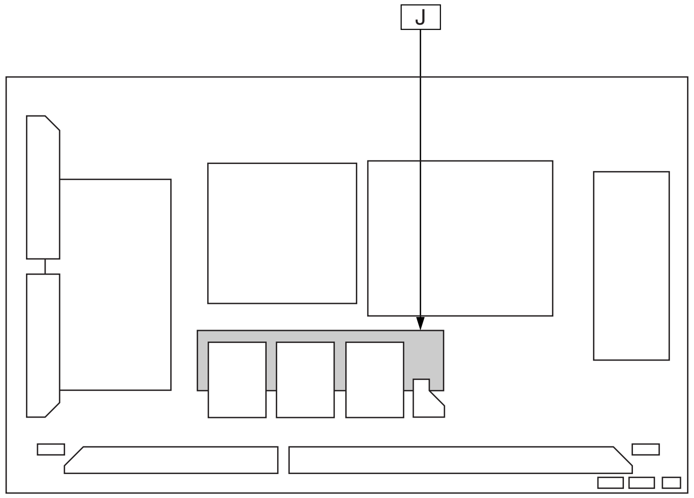


J-BOARD(COMPONENT SIDE)
TNPA3630AB

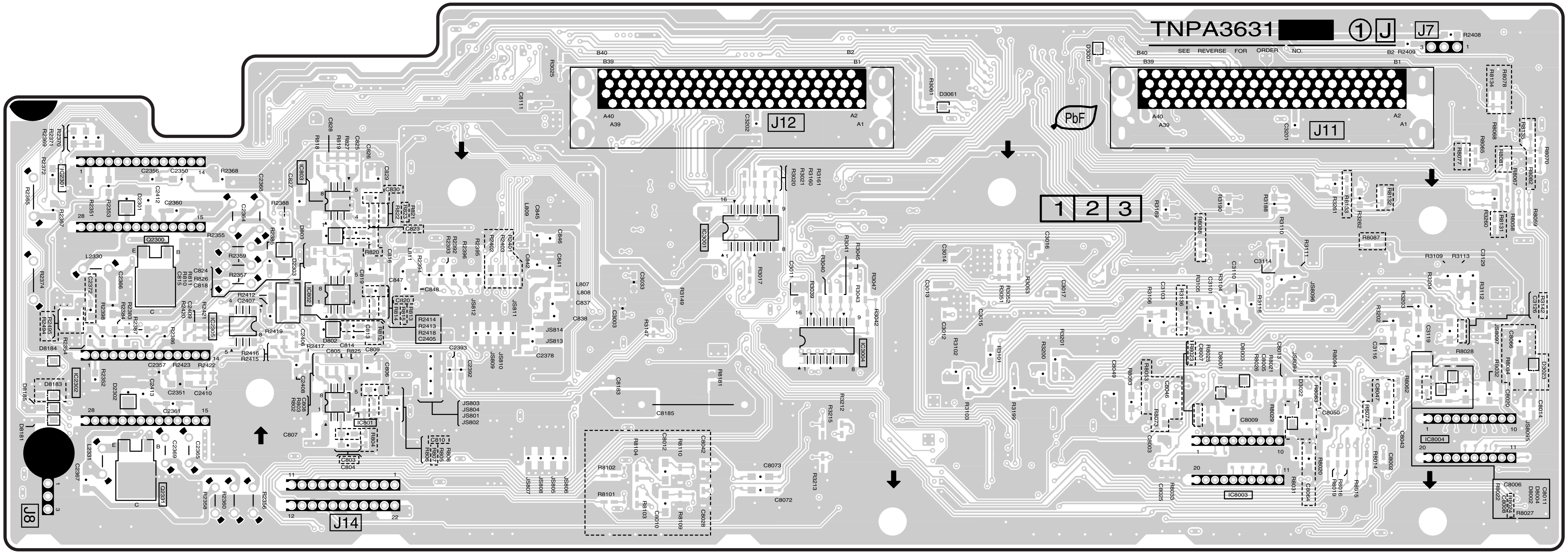


Parts Location

J-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC801	C-2	Q2300	B-3
IC802	B-2	Q2331	B-1
IC803	B-3		
IC2301	A-3		
IC2302	A-2		
IC2305	B-2		
IC3001	E-3		
IC3004	E-2		
IC8003	G-1		
IC8004	I-2		



J-BOARD(FOIL SIDE)
TNPA3631AB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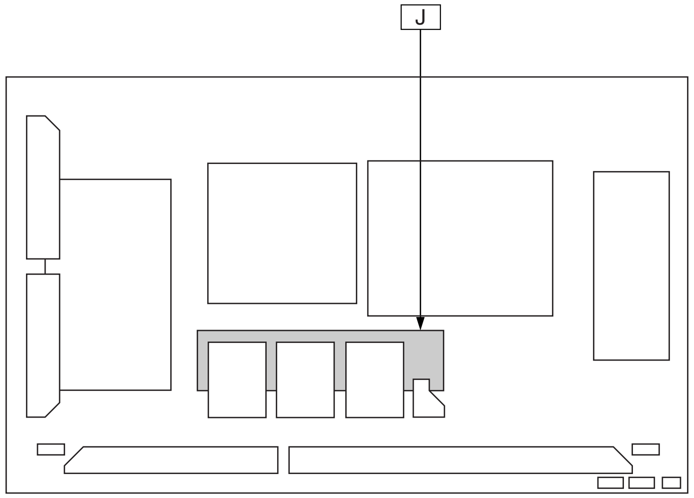
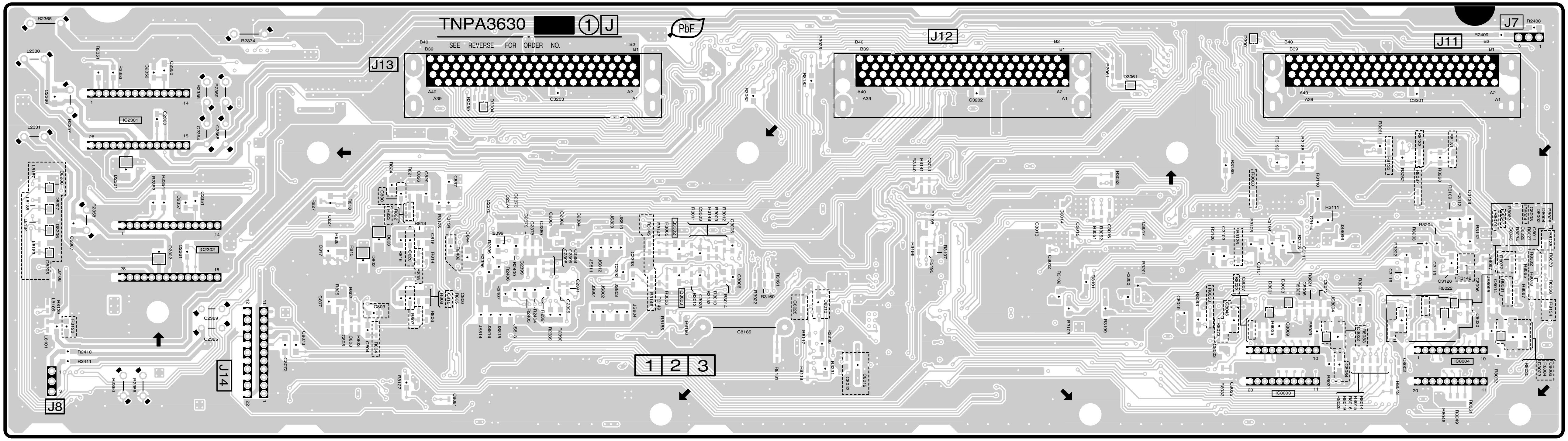
①J
J7
SEE REVERSE FOR ORDER NO.
J12
J11
J14
J8
1 2 3
PbF
Q2300
Q2331
IC801
IC802
IC803
IC2301
IC2302
IC2305
IC3001
IC3004
IC8003
IC8004

Parts Location

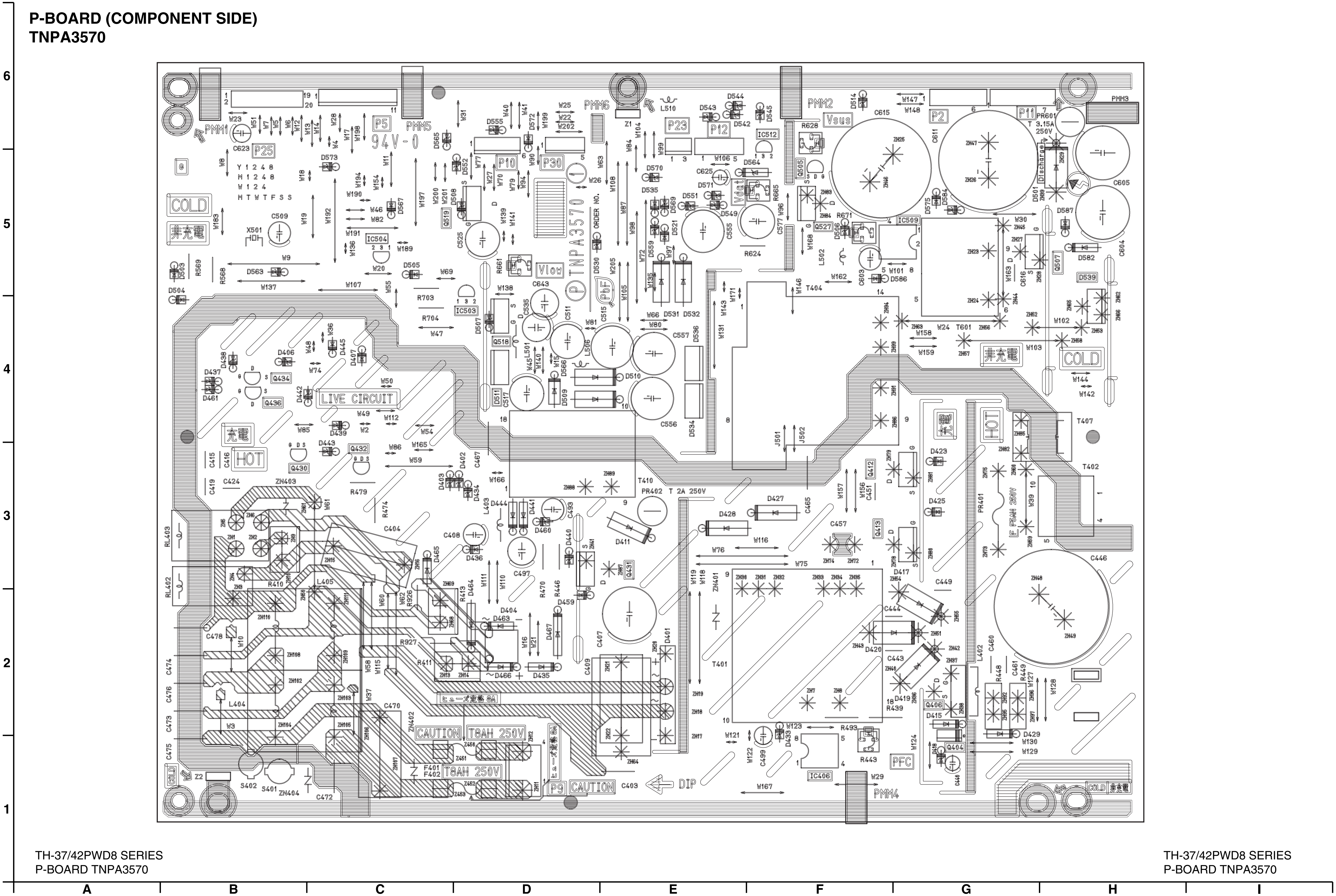
J-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC2301	A-3	Q3002	D-3
IC2302	B-3	Q3003	D-2
IC8003	H-2		
IC8004	I-2		



J-BOARD(FOIL SIDE)
TNPA3630AB


TNPA3630 ① J
PbF
J13
J12
J11
J7
J8
J14
IC2301
IC2302
IC8003
IC8004
SEE REVERSE FOR ORDER NO.
1 2 3

P-BOARD (COMPONENT SIDE)
TNPA3570


6
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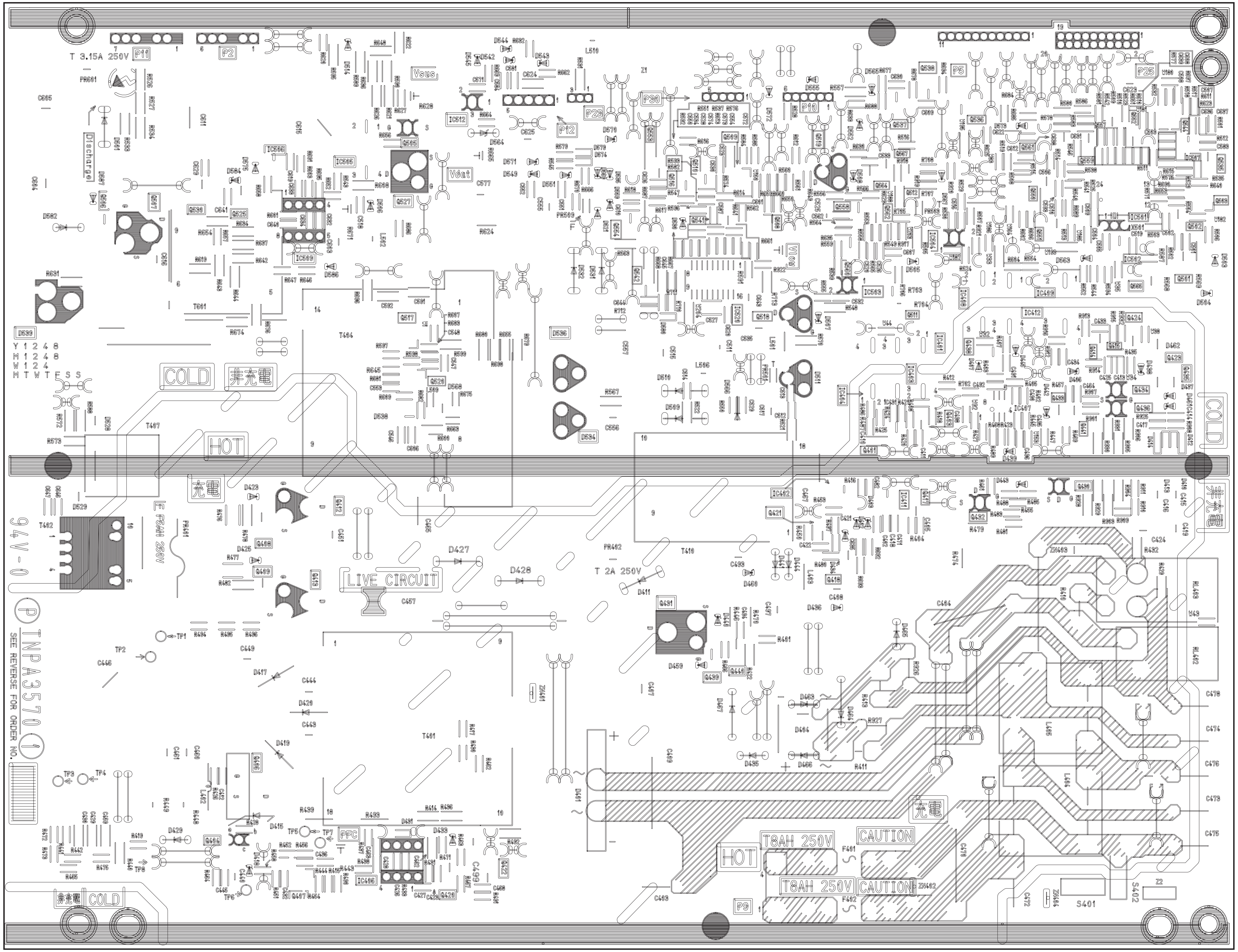
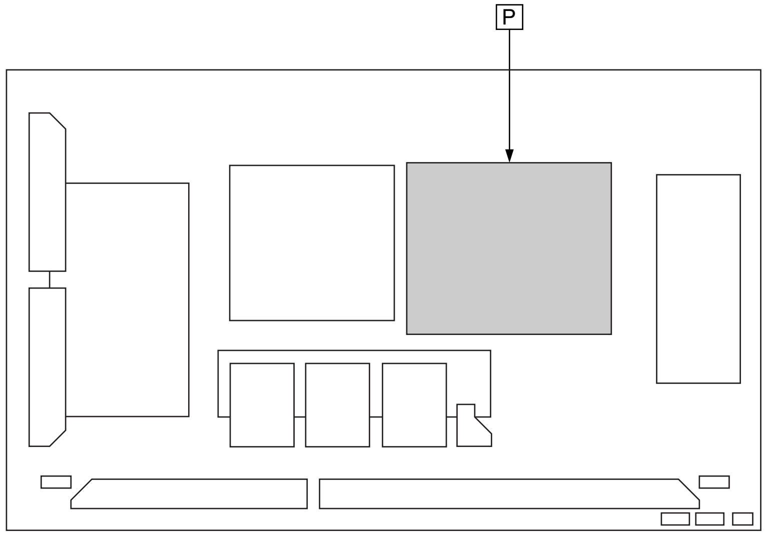
A
B
C
D
E
F
G
H
I
PMM1
PMM2
PMM3
PMM4
PMM5
PMM6
P2
P5
P9
P10
P11
P12
P23
P25
P30
94V-0
TNPA3570
ORDER NO.
COLD
HOT
LIVE CIRCUIT
CAUTION
T8AH 250V
PR402 T 2A 250V
PR601 T 3.15A 250V
Discharge
Vsus
Vdat
Vlow
PFC
DIP
T401
T402
T404
T407
T410
T601
C446
C605
C611
C615
IC406
IC503
IC504
IC509
IC512
RL402
RL403
S401
S402
X501
ZN403
ZN404
F401
F402
Z1
Z2

P-BOARD (FOIL SIDE)
TNPA3570


P11
T 3.15A 250V
P2
Discharge
Vsus
Vsct
P12
P29
P30
P10
P5
P25
D539
Y 1 2 4 8
M 1 2 4 8
W 1 2 4
M T W T F S S
COLD
非充電
HOT
充電
94V-0
F5AH 250V
LIVE CIRCUIT
D427
D428
T 2A 250V
TNPA3570
SEE REVERSE FOR ORDER NO.
PFC
T8AH 250V
CAUTION
F401
F402
P9
S401
S402
非充電 COLD

6
5
4
3
2
1

A B C D E F G H I



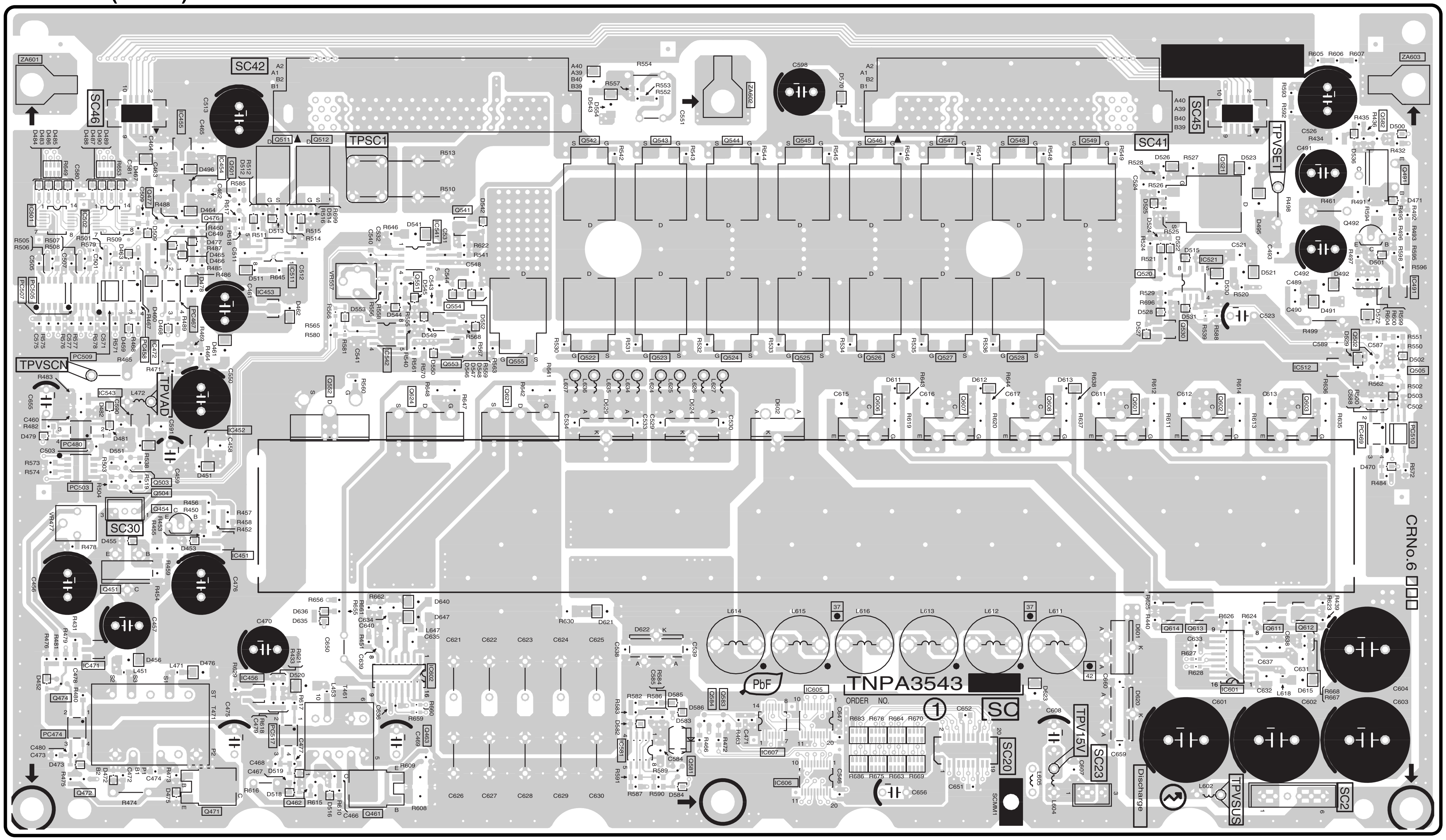
Parts Location

P-BOARD (FOIL SIDE)							
IC		**TRANSISTOR**					
IC401	G-4	Q401	F-4	Q441	G-4	Q553	E-5
IC402	F-3	Q403	G-4	Q501	H-5	Q554	E-5
IC403	F-4	Q404	C-2	Q502	H-5	Q557	G-5
IC404	F-4	Q406	C-2	Q503	H-5	Q558	F-5
IC406	D-1	Q407	C-1	Q505	D-5	Q559	G-5
IC407	G-4	Q408	C-3	Q506	B-5	Q560	F-5
IC408	G-4	Q409	C-3	Q507	B-5	Q561	G-5
IC409	G-5	Q412	C-3	Q508	F-5	Q562	F-5
IC411	F-3	Q413	C-3	Q509	E-5	Q564	F-5
IC412	G-4	Q414	G-4	Q510	E-5	Q565	H-5
IC431	F-4	Q415	H-4	Q511	F-4	Q567	F-5
IC501	H-5	Q417	G-3	Q512	F-5	**TP**	
IC502	H-5	Q418	F-3	Q516	E-5	TP1	B-3
IC503	F-5	Q420	D-1	Q517	D-4	TP2	B-3
IC504	G-5	Q421	F-3	Q518	F-4	TP3	B-2
IC505	C-5	Q422	D-1	Q519	F-5	TP4	B-2
IC506	C-5	Q423	H-4	Q520	D-4	TP5	C-2
IC507	H-5	Q424	H-4	Q525	C-5	TP6	C-1
IC509	C-5	Q430	G-3	Q527	D-5	TP7	C-1
IC512	D-6	Q431	E-3	Q530	C-5	TP8	B-1
IC520	E-5	Q432	G-3	Q535	H-5		
		Q433	G-4	Q536	G-5		
		Q434	H-4	Q537	F-5		
		Q435	H-4	Q538	G-6		
		Q436	H-4	Q541	E-5		
		Q438	G-4	Q542	E-5		
		Q439	E-2	Q544	H-5		
		Q440	E-2	Q550	G-5		
				Q551	G-5		
				Q552	H-5		

Parts Location

P-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC406	F-1	Q404	G-1
IC503	D-5	Q406	G-2
IC504	C-5	Q412	G-3
IC509	G-5	Q413	G-3
IC512	F-6	Q430	B-3
		Q431	D-3
		Q432	C-3
		Q434	B-4
		Q436	B-4
		Q505	F-5
		Q507	G-5
		Q518	D-4
		Q519	D-5
		Q527	F-5

SC-BOARD(COMPONENT SIDE)
TNPA3543AB (37inch)
TNPA3543 (42inch)


ZA601
SC42
SC46
TPSC1
ZA602
SC45
TPVSET
SC41
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TPVAD
SC30
CRNo.6
PbF
TNPA3543
ORDER NO.
①
SC
SC20
SC23
TPV15V
SCMM1
Discharge
TPVSUS
SC2
6
5
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3
2
1
A
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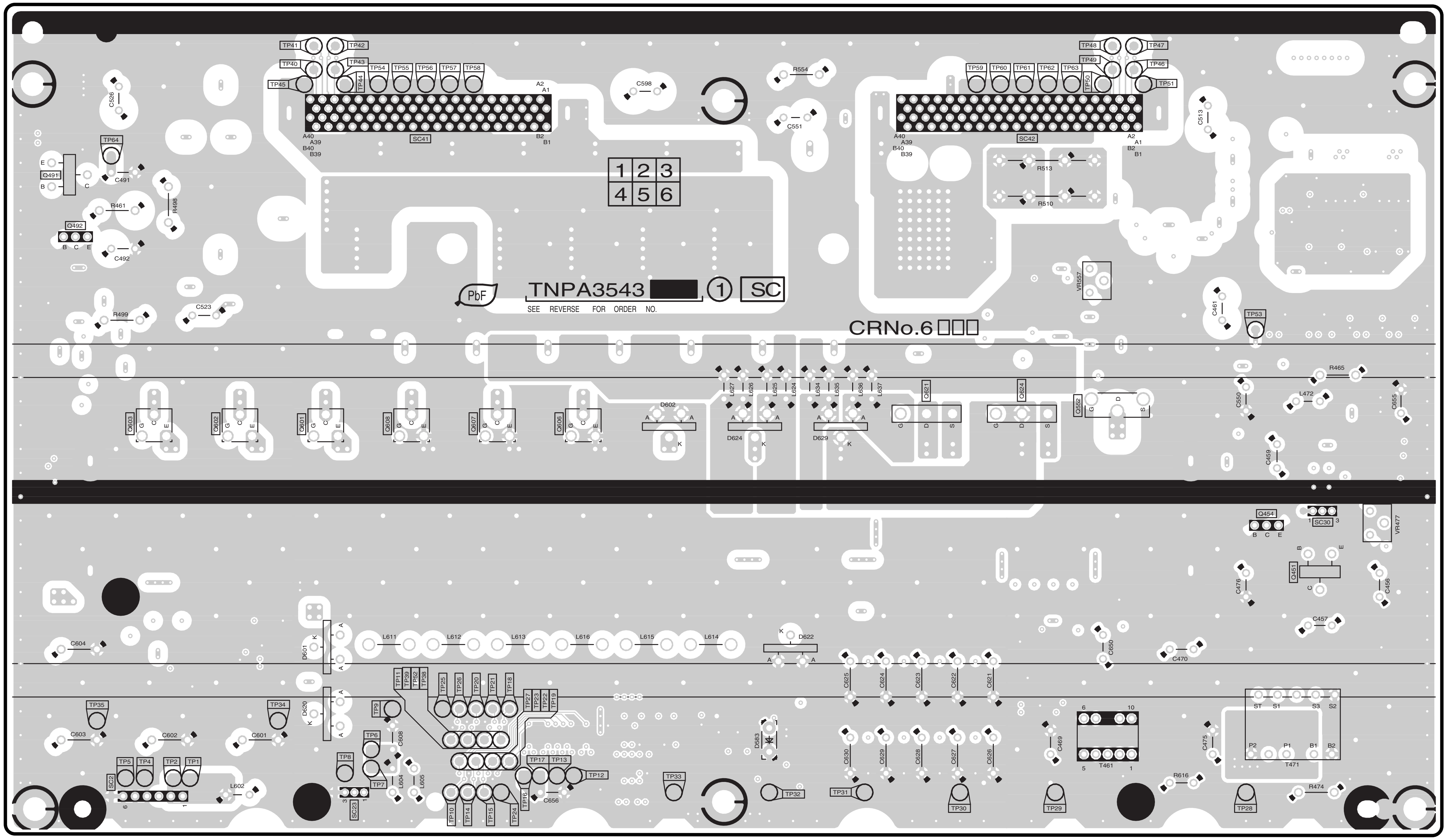
C
D
E
F
G
H
I

TH-37PWD8 SERIES SC-BOARD TNPA3543AB
TH-42PWD8 SERIES SC-BOARD TNPA3543

SC-BOARD(FOIL SIDE)
TNPA3543AB (37inch)
TNPA3543 (42inch)



6
5
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2
1
TP41
TP42
TP40
TP43
TP45
TP44
TP54
TP55
TP56
TP57
TP58
A2
A1
A40
A39
B40
B39
B2
B1
SC41
C598
R554
C551
TP59
TP60
TP61
TP62
TP63
TP50
TP48
TP47
TP49
TP46
TP51
SC42
C513
C526
TP64
Q491
E
B
C
C491
R461
R498
Q492
C492
1 2 3
4 5 6
R513
R510
VR557
TNPA3543
① SC
SEE REVERSE FOR ORDER NO.
PbF
CRNo.6
C461
TP53
R499
C523
R465
L472
C550
C655
C459
Q603
Q602
Q601
Q608
Q607
Q606
G
D
S
K
A
D602
L627
L626
L625
L624
L634
L635
L636
L637
D624
D629
Q621
Q624
Q552
Q454
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VR477
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C476
C456
C457
C604
D601
L611
L612
L613
L616
L615
L614
D622
C650
C470
C625
C624
C623
C622
C621
C630
C629
C628
C627
C626
TP35
TP34
D620
C603
C602
C601
TP9
TP11
TP39
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TP17
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TP12
TP16
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TP10
TP14
TP15
TP24
TP5
TP4
TP2
TP1
SC2
L602
SC23
TP33
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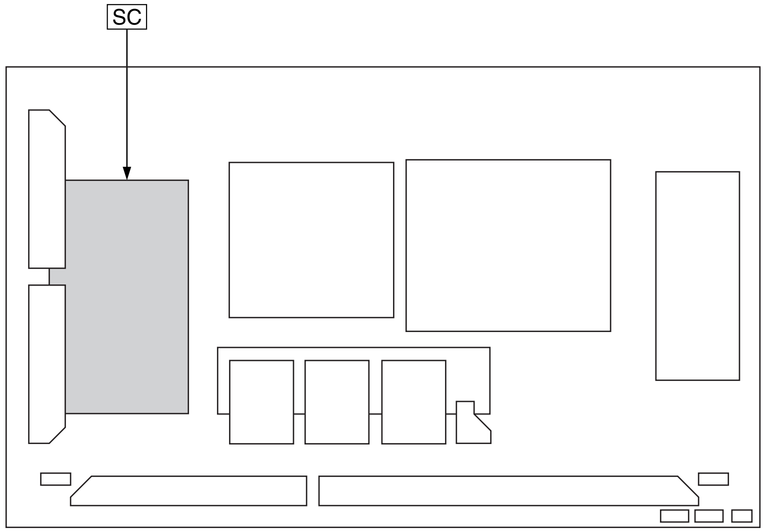
TP32
TP31
TP30
C469
T461
TP29
C475
R616
ST
S1
S3
S2
P2
P1
B1
B2
T471
TP28
R474

TH-37PWD8 SERIES SC-BOARD TNPA3543AB
TH-42PWD8 SERIES SC-BOARD TNPA3543

A B C D E F G H I



Parts Location

SC-BOARD (FOIL SIDE)					
TRANSISTOR		**TP**		TP6032	E-1
Q6451	H-2	TP6001	B-1	TP6033	D-1
Q6454	H-3	TP6002	B-1	TP6034	B-1
Q6491	A-4	TP6004	B-1	TP6035	B-1
Q6492	A-4	TP6005	B-1	TP6038	C-1
Q6552	G-3	TP6006	C-1	TP6039	C-1
Q6601	C-3	TP6007	C-1	TP6040	C-5
Q6602	B-3	TP6008	C-1	TP6041	C-5
Q6603	B-3	TP6009	C-1	TP6042	C-5
Q6606	D-3	TP6010	C-1	TP6043	C-5
Q6607	C-3	TP6011	C-1	TP6044	C-5
Q6608	C-3	TP6012	D-1	TP6045	C-5
Q6621	F-3	TP6013	D-1	TP6046	G-5
Q6624	F-3	TP6014	C-1	TP6047	G-5
		TP6015	C-1	TP6048	G-5
		TP6016	D-1	TP6049	G-5
		TP6017	D-1	TP6050	G-5
		TP6018	C-1	TP6051	G-5
		TP6019	C-1	TP6052	C-1
		TP6020	C-1	TP6053	G-3
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		TP6022	C-1	TP6055	C-5
		TP6023	C-1	TP6056	C-5
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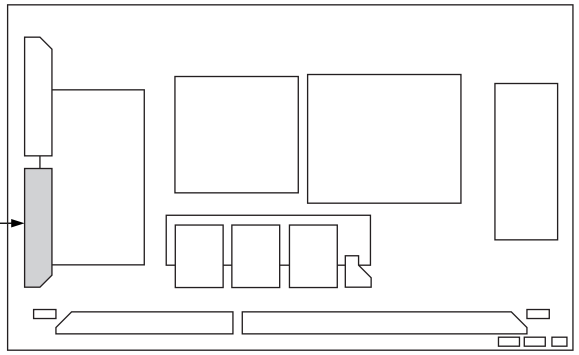
		TP6026	C-1	TP6059	F-5
		TP6027	C-1	TP6060	F-5
		TP6028	G-1	TP6061	F-5
		TP6029	F-1	TP6062	F-5
		TP6030	F-1	TP6063	F-5
		TP6031	E-1	TP6064	B-4

Parts Location

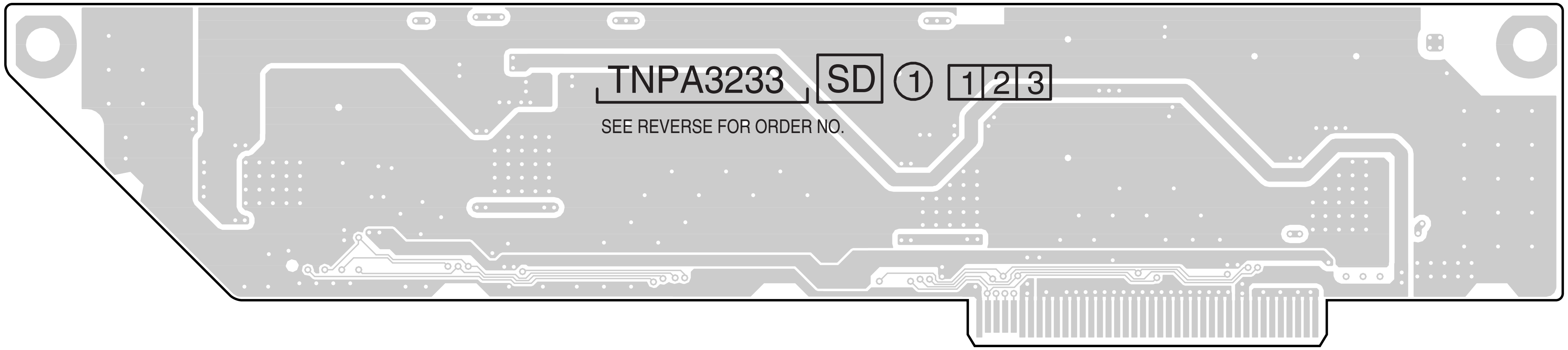
SC-BOARD (COMPONENT SIDE)							
IC		**TRANSISTOR**		Q6541	C-4	**TP**	
IC6451	B-2	Q6451	A-2	Q6542	D-4	TPSC1	C-5
IC6452	B-3	Q6454	B-3	Q6543	D-4	TPV15V	F-1
IC6453	B-4	Q6461	C-1	Q6544	E-4	TPVAD	B-3
IC6454	B-4	Q6462	B-1	Q6545	E-4	TPVSCN	A-3
IC6455	B-5	Q6463	C-1	Q6546	E-4	TPVSET	G-5
IC6456	B-2	Q6471	B-1	Q6547	F-4	TPVSUS	G-1
IC6471	A-2	Q6472	A-1	Q6548	F-4		
IC6472	B-3	Q6474	A-2	Q6549	G-4		
IC6491	H-4	Q6476	B-4	Q6551	C-4		
IC6501	A-4	Q6477	B-4	Q6552	C-3		
IC6502	A-4	Q6491	H-4	Q6553	C-3		
IC6511	B-4	Q6492	H-4	Q6554	C-4		
IC6512	H-3	Q6501	B-4	Q6555	D-3		
IC6521	G-4	Q6502	H-3	Q6581	D-1		
IC6541	C-4	Q6503	B-3	Q6582	H-5		
IC6542	C-3	Q6504	B-3	Q6583	E-2		
IC6543	A-3	Q6505	H-3	Q6584	E-2		
IC6581	D-1	Q6511	B-4	Q6601	G-3		
IC6601	G-2	Q6512	B-4	Q6602	G-3		
IC6602	C-2	Q6520	G-4	Q6603	H-3		
IC6605	E-2	Q6521	G-4	Q6606	E-3		
IC6606	E-1	Q6522	D-3	Q6607	F-3		
IC6607	E-1	Q6523	D-3	Q6608	F-3		
		Q6524	E-3	Q6611	H-2		
		Q6525	E-3	Q6612	H-2		
		Q6526	E-3	Q6613	G-2		
		Q6527	F-3	Q6614	G-2		
		Q6528	F-3	Q6621	D-3		
		Q6530	G-4	Q6624	C-3		

Parts Location

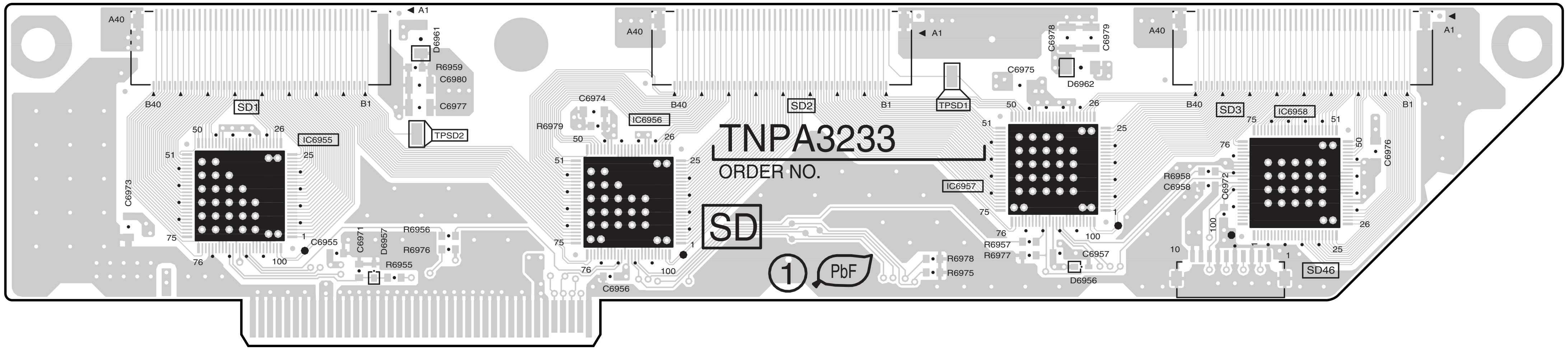
SD-BOARD			
IC		**TP**	
IC6955	B-2	TPSD1	E-2
IC6956	D-2	TPSD2	C-2
IC6957	F-2		
IC6958	G-2		



SD-BOARD (FOIL SIDE)
TNPA3233


TNPA3233
SD
①
1 2 3
SEE REVERSE FOR ORDER NO.

SD-BOARD (COMPONENT SIDE)
TNPA3233


A40
A1
B40
B1
SD1
IC6955
50
26
51
25
75
1
76
100
C6973
C6955
C6971
D6957
R6956
R6976
R6955
D6961
R6959
C6980
C6977
TPSD2
A40
A1
C6974
IC6956
R6979
B40
B1
SD2
TPSD1
C6956
TNPA3233
ORDER NO.
SD
①
PbF
R6978
R6975
C6975
C6978
C6979
D6962
IC6957
R6957
R6977
C6957
D6956
A40
A1
B40
B1
SD3
IC6958
R6958
C6958
C6972
C6976
10
SD46

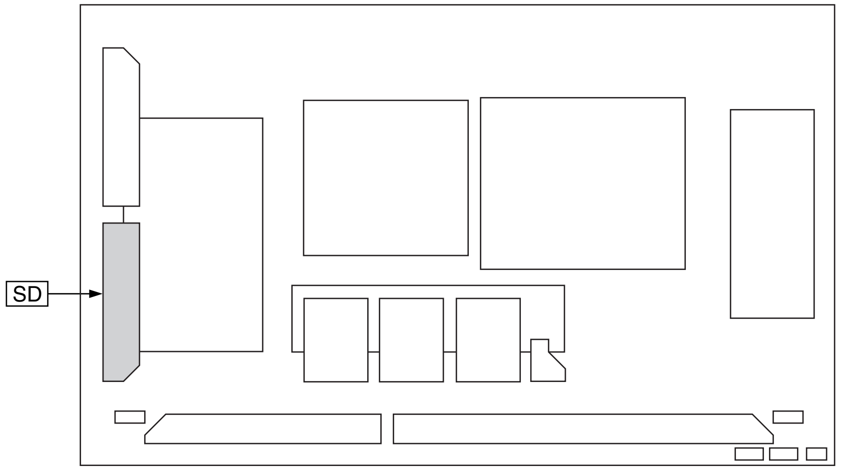
6
5
4
3
2
1

A B C D E F G H I

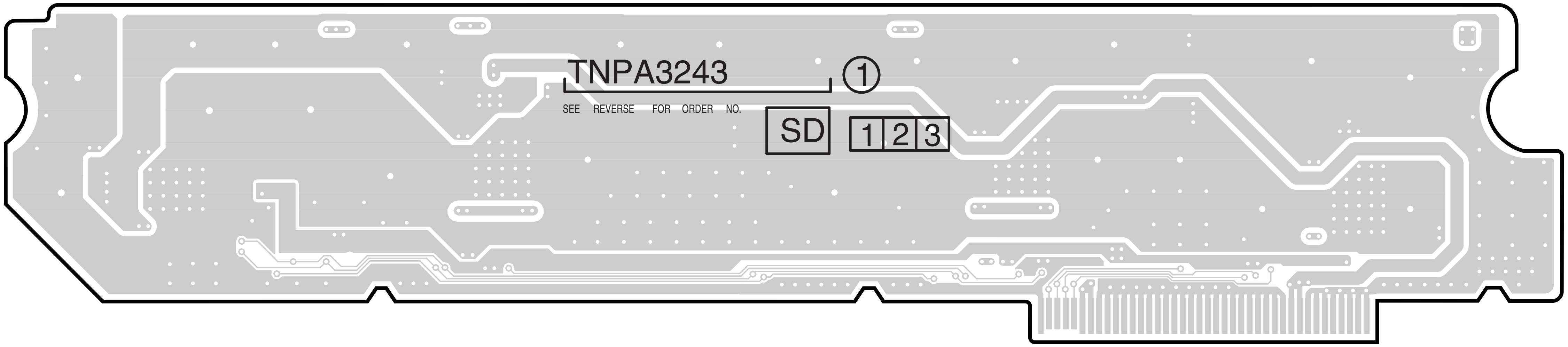
6
5
4
3
2
1

Parts Location

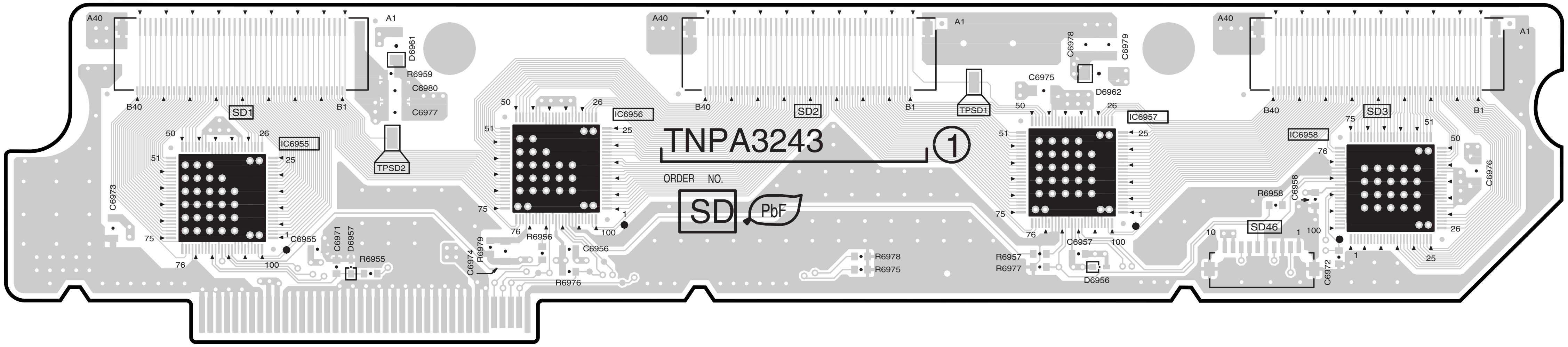
SD-BOARD			
IC		**TRANSISTOR**	
IC6955	B-2	TPSD1	F-2
IC6956	D-2	TPSD2	C-2
IC6957	F-2		
IC6958	G-2		



SD-BOARD (FOIL SIDE)
TNPA3243


TNPA3243
①
SEE REVERSE FOR ORDER NO.
SD
1 2 3

SD-BOARD (COMPONENT SIDE)
TNPA3243

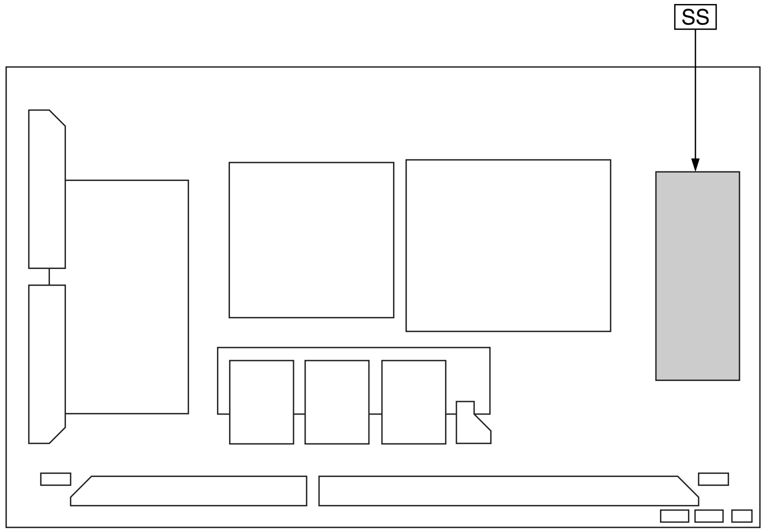

A40
A1
B40
B1
SD1
IC6955
50
26
51
25
75
1
76
100
C6973
C6955
C6971
D6957
R6955
D6961
R6959
C6980
C6977
TPSD2
IC6956
C6979
C6974
R6956
C6956
R6976
A40
A1
B40
B1
SD2
TNPA3243
①
ORDER NO.
SD
PbF
R6978
R6975
TPSD1
C6978
C6979
C6975
D6962
IC6957
R6957
R6977
C6957
D6956
A40
A1
B40
B1
SD3
IC6958
R6958
C6958
SD46
10
C6972
C6976

A B C D E F G H I

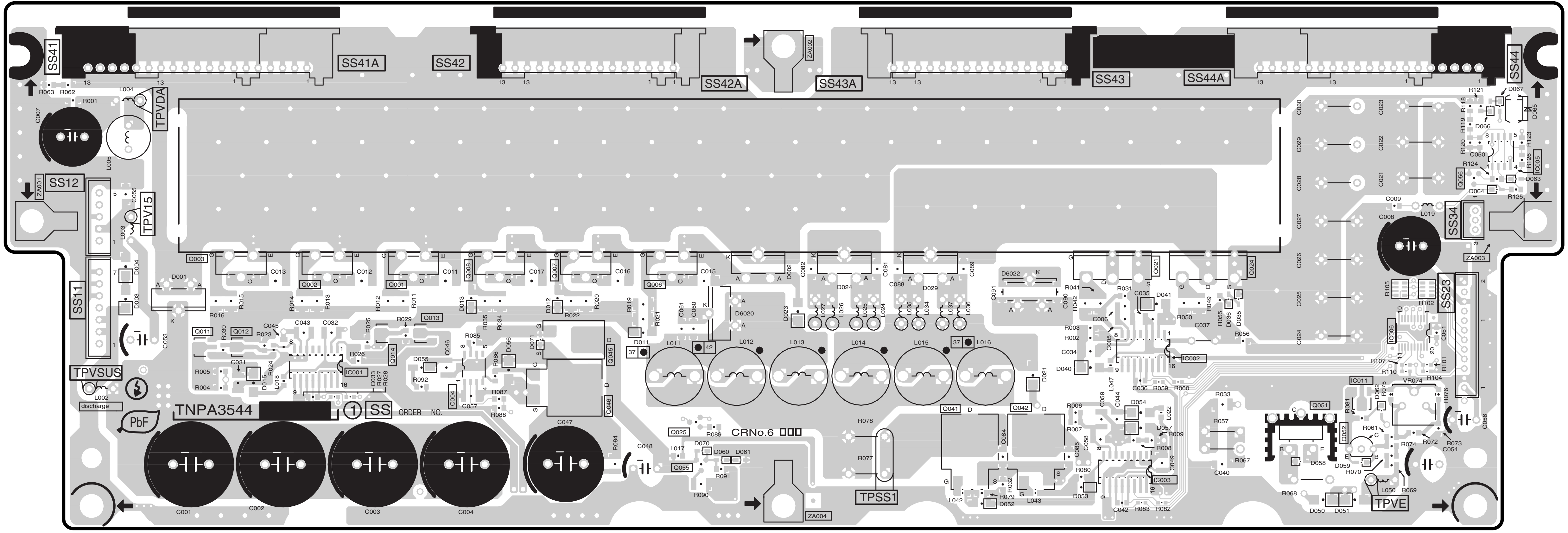
Parts Location

SS-BOARD (COMPONENT SIDE)

IC		TRANSISTOR			
IC6001	C-2	Q6001	C-2	Q6045	D-2
IC6002	G-2	Q6002	B-2	Q6046	D-2
IC6003	G-1	Q6003	B-2	Q6051	H-1
IC6004	C-2	Q6006	D-2	Q6052	H-1
IC6005	I-3	Q6007	D-2	Q6055	D-1
IC6006	H-2	Q6008	C-2	Q6056	H-3
IC6011	H-2	Q6011	B-2	**TP**	
		Q6012	B-2	TPSS1	E-1
		Q6013	C-2	TPSUS	A-2
		Q6014	C-2	TPV15	B-3
		Q6021	G-2	TPVDA	B-3
		Q6024	G-2	TPVE	H-1
		Q6025	D-1		
		Q6041	F-1		
		Q6042	F-1		



SS-BOARD(COMPONENT SIDE)
TNPA3544AB (37 inch)
TNPA3544 (42 inch)

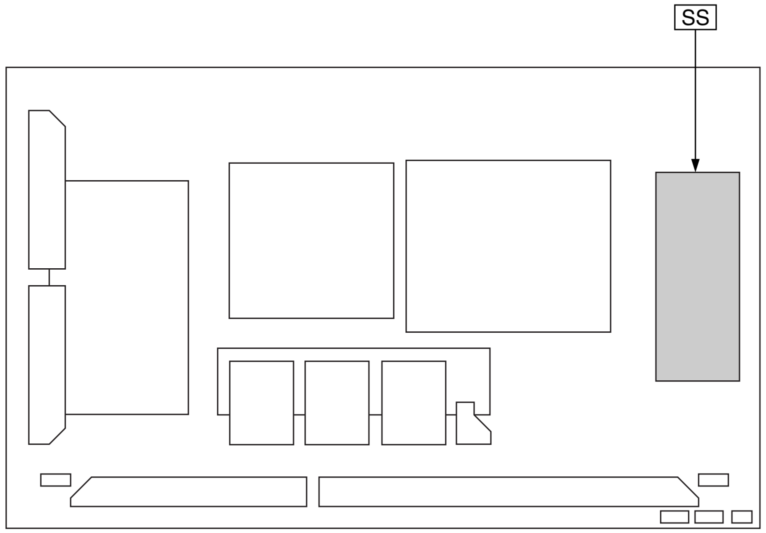

6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
SS41
SS41A
SS42
SS42A
SS43A
SS43
SS44A
SS44
ZA002
TPVDA
SS12
ZA001
TPV15
SS11
TPVSUS
discharge
PbF
TNPA3544
1
SS
ORDER NO.
CRNo.6
TPSS1
ZA004
SS34
ZA003
SS23
TPVE
IC001
IC002
IC003
IC005
IC006
IC011
Q001
Q002
Q003
Q006
Q007
Q008
Q011
Q012
Q013
Q014
Q021
Q024
Q025
Q041
Q042
Q045
Q046
Q051
Q052
Q055
Q056
C001
C002
C003
C004
C047
L011
L012
L013
L014
L015
L016

TH-37PWD8 SERIES SS-BOARD TNPA3544AB
TH-42PWD8 SERIES SS-BOARD TNPA3544

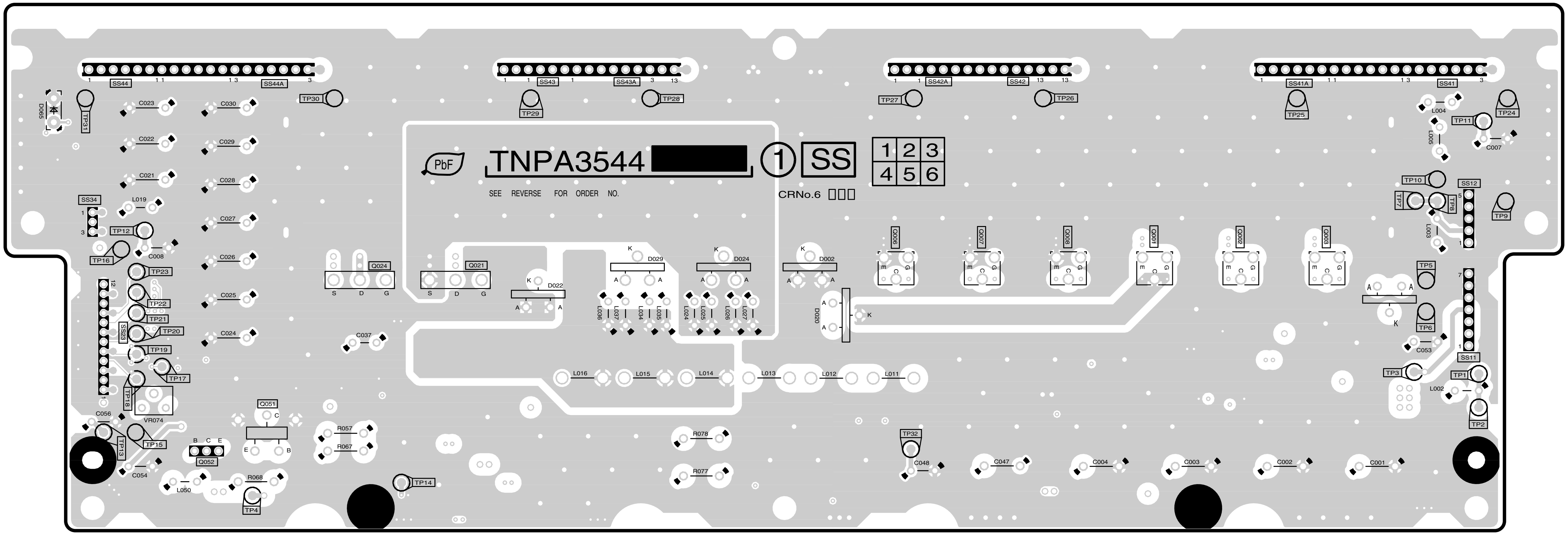
TH-37PWD8 SERIES SS-BOARD TNPA3544AB
TH-42PWD8 SERIES SS-BOARD TNPA3544

Parts Location

SS-BOARD (FOIL SIDE)					
TRANSISTOR		**TP**		TP6016	B-2
				TP6017	B-2
Q6001	G-2	TP6001	H-1	TP6018	B-2
Q6002	G-2	TP6002	H-1	TP6019	B-2
Q6003	H-2	TP6003	H-1	TP6020	B-2
Q6006	E-2	TP6004	B-1	TP6021	B-2
Q6007	F-2	TP6005	H-2	TP6022	B-2
Q6008	F-2	TP6006	H-2	TP6023	B-2
Q6021	C-2	TP6007	H-2	TP6024	I-3
Q6024	C-2	TP6008	H-2	TP6025	G-3
Q6051	B-1	TP6009	H-2	TP6026	F-3
Q6052	B-1	TP6010	H-2	TP6027	F-3
		TP6011	H-3	TP6028	D-3
		TP6012	B-2	TP6029	D-3
		TP6013	A-1	TP6030	C-3
		TP6014	C-1	TP6031	A-3
		TP6015	A-1	TP6032	E-1



SS-BOARD(FOIL SIDE)
TNPA3544AB (37 inch)
TNPA3544 (42 inch)

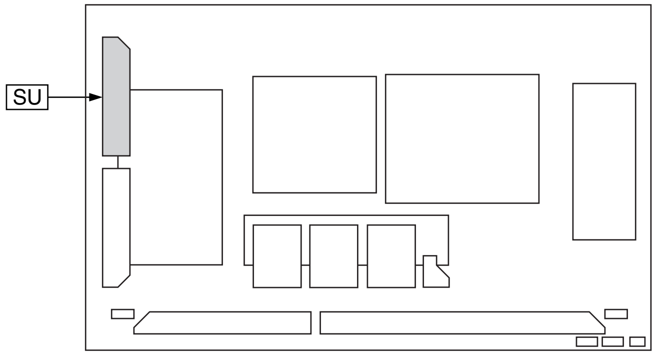

TNPA3544
SS
1 2 3
4 5 6
CRNo.6
SEE REVERSE FOR ORDER NO.
PbF
SS44
SS44A
SS43
SS43A
SS42A
SS42
SS41A
SS41
SS34
SS33
SS12
SS11
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31
TP32
Q001
Q002
Q003
Q006
Q007
Q008
Q021
Q024
Q051
Q052
D002
D020
D022
D024
D029
D065
L002
L003
L004
L005
L011
L012
L013
L014
L015
L016
L019
L024
L025
L026
L027
L034
L035
L036
L037
L050
C001
C002
C003
C004
C007
C008
C021
C022
C023
C024
C025
C026
C027
C028
C029
C030
C037
C047
C048
C053
C054
C056
R057
R067
R068
R077
R078
VR074

1 2 3 4 5 6

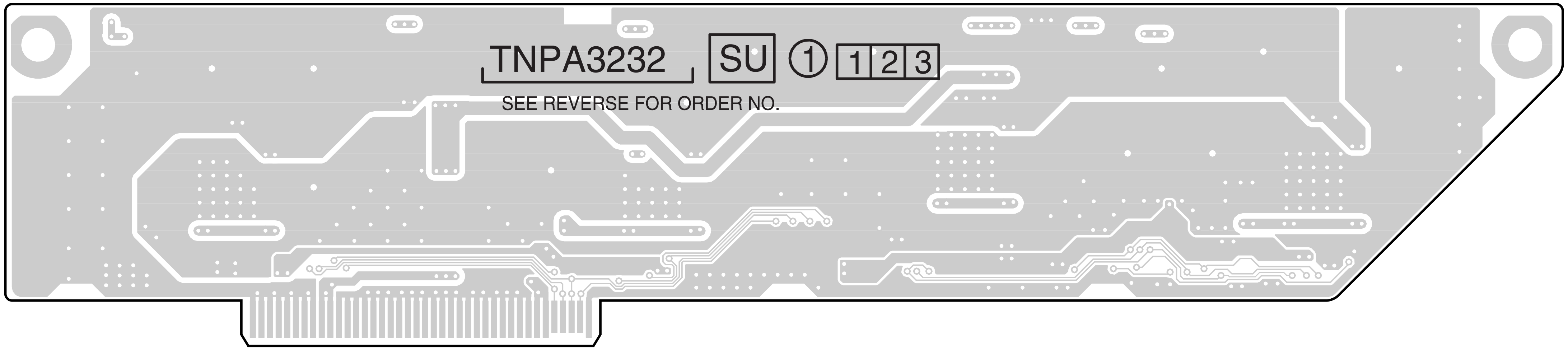
A B C D E F G H I

Parts Location

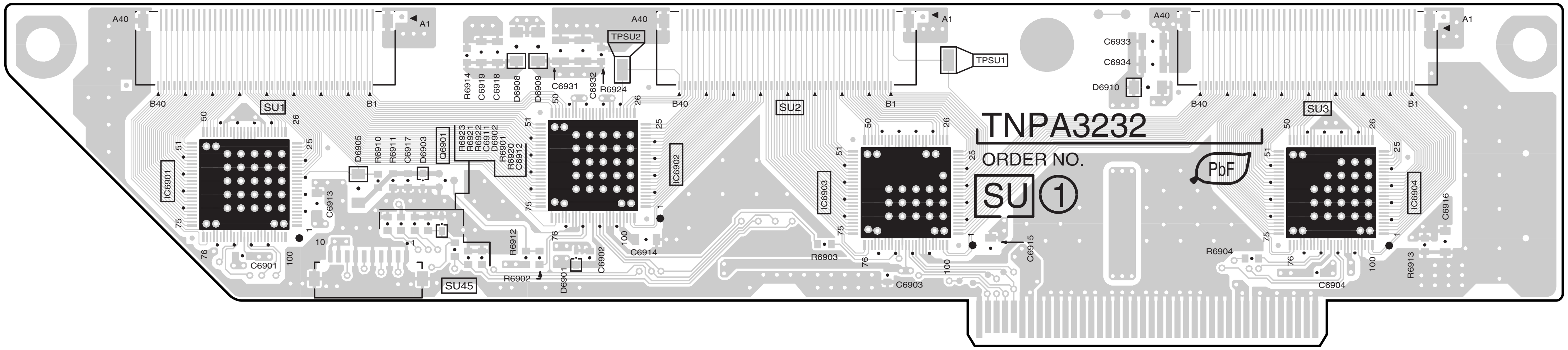
SU-BOARD			
IC		**TRANSISTOR**	
IC6901	B-2	Q6901	C-2
IC6902	D-2	**TP**	
IC6903	E-2	TPSU1	E-2
IC6904	G-2	TPSU2	D-2



SU-BOARD (FOIL SIDE)
TNPA3232

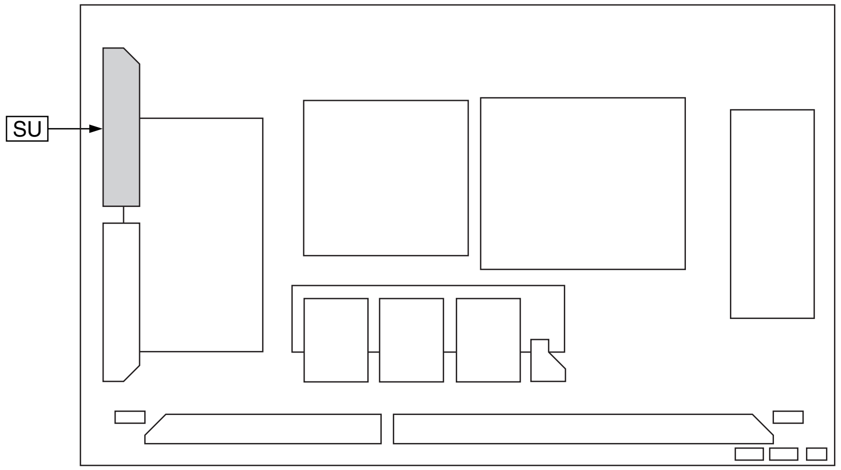

TNPA3232
SU
①
1 2 3
SEE REVERSE FOR ORDER NO.

SU-BOARD (COMPONENT SIDE)
TNPA3232

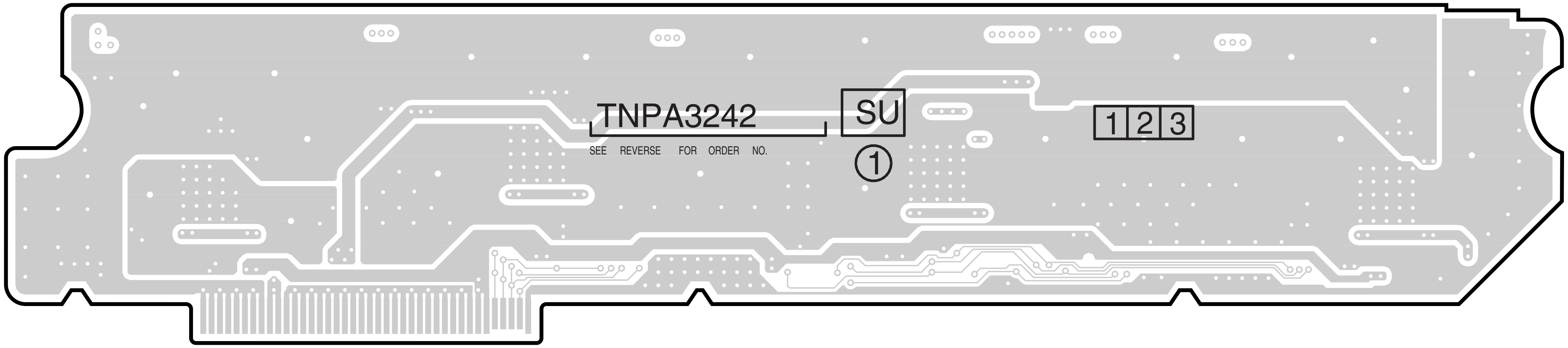

A40
A1
B40
B1
SU1
SU2
SU3
SU45
50
51
26
25
75
76
100
1
10
IC6901
IC6902
IC6903
IC6904
Q6901
TPSU1
TPSU2
C6901
C6902
C6903
C6904
C6913
C6914
C6915
C6916
C6917
C6918
C6919
C6911
C6912
C6931
C6932
C6933
C6934
D6901
D6902
D6903
D6905
D6908
D6909
D6910
R6902
R6903
R6904
R6910
R6911
R6912
R6913
R6914
R6920
R6921
R6922
R6923
R6924
TNPA3232
ORDER NO.
SU
①
PbF

Parts Location

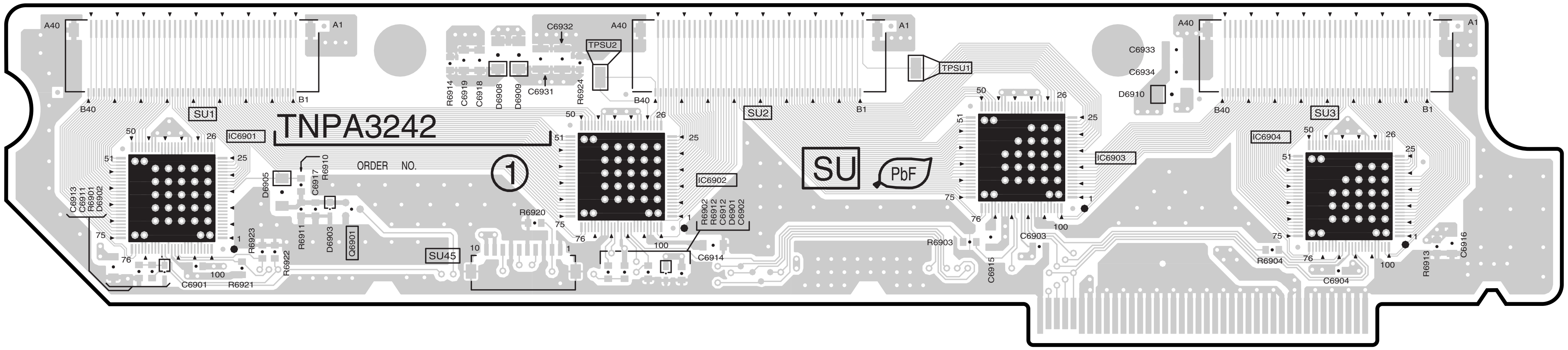
SU-BOARD			
IC		**TRANSISTOR**	
IC6901	B-2	Q6901	C-1
IC6902	D-2	**TP**	
IC6903	F-2	TPSU1	D-2
IC6904	G-2	TPSU2	E-2



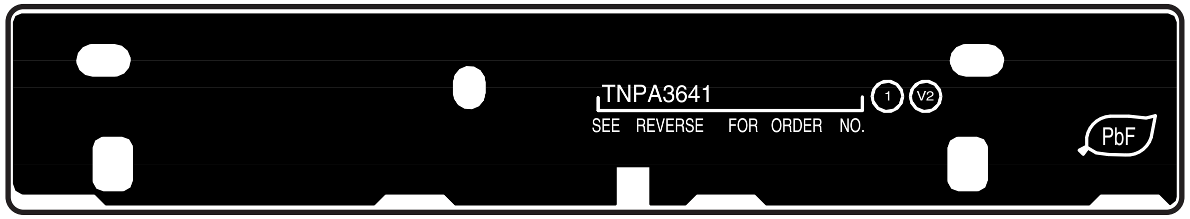
SU-BOARD (FOIL SIDE)
TNPA3242


TNPA3242
SEE REVERSE FOR ORDER NO.
SU
①
1 2 3

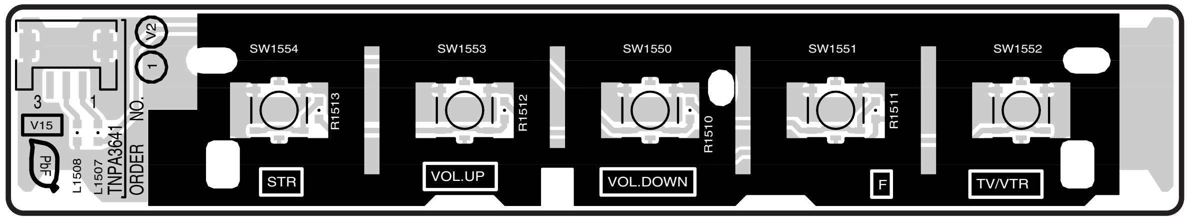
SU-BOARD (COMPONENT SIDE)
TNPA3242

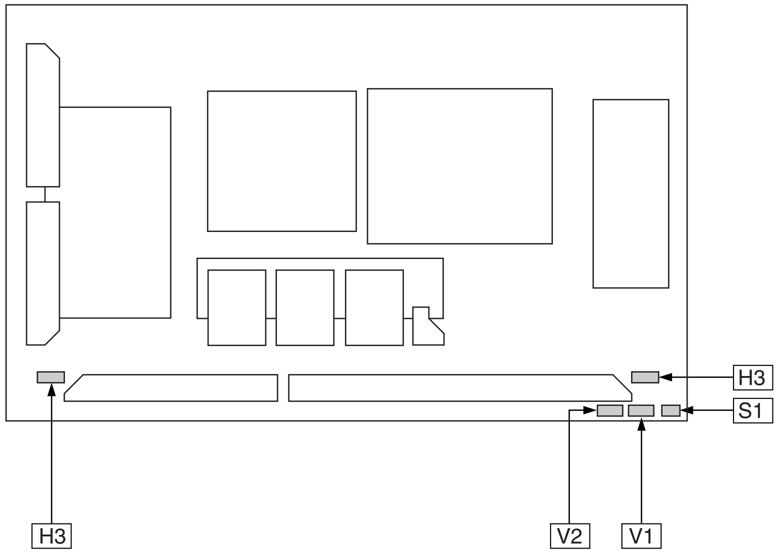

TNPA3242
ORDER NO.
①
SU
PbF
A40
A1
B40
B1
SU1
SU2
SU3
SU45
TPSU1
TPSU2
IC6901
IC6902
IC6903
IC6904
Q6901
C6901
C6902
C6903
C6904
C6913
C6914
C6915
C6916
C6917
C6918
C6919
C6931
C6932
C6933
C6934
R6901
R6902
R6903
R6904
R6910
R6911
R6912
R6913
R6914
R6920
R6921
R6922
R6923
R6924
D6901
D6902
D6903
D6905
D6908
D6909
D6910
1
25
26
50
51
75
76
100
10

V2-BOARD(FOIL SIDE)
TNPA3641

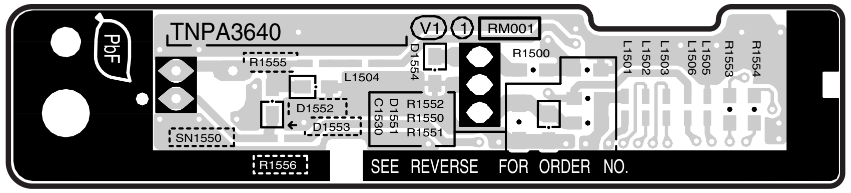

TNPA3641
SEE REVERSE FOR ORDER NO.
1
V2
PbF

V2-BOARD(COMPONENT SIDE)
TNPA3641

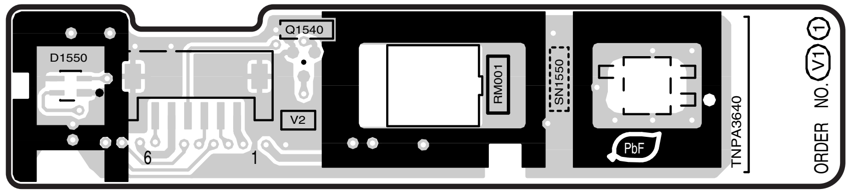

V2
1
3
1
V15
PbF
L1508
L1507
TNPA3641
ORDER NO.
SW1554
SW1553
SW1550
SW1551
SW1552
R1513
R1512
R1510
R1511
STR
VOL.UP
VOL.DOWN
F
TV/VTR


H3
S1
H3
V2
V1

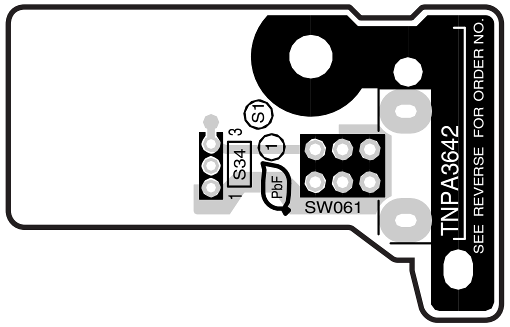
V1-BOARD(FOIL SIDE)
TNPA3640


PbF
TNPA3640
V1
1
RM001
R1555
D1554
R1500
L1504
D1552
D1553
D1551
C1530
R1552
R1550
R1551
L1501
L1502
L1503
L1505
L1506
R1553
R1554
SN1550
R1556
SEE REVERSE FOR ORDER NO.

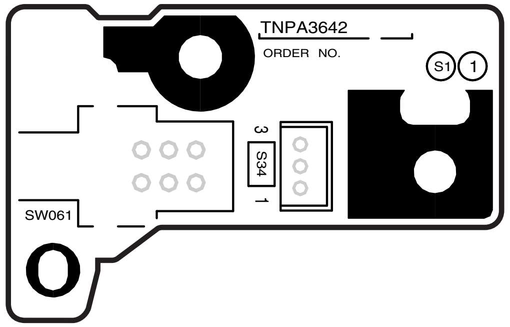
V1-BOARD(COMPONENT SIDE)
TNPA3640


D1550
Q1540
RM001
SN1550
V2
6
1
PbF
TNPA3640
ORDER NO.
V1
1

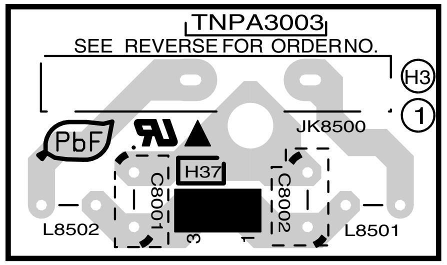
S1-BOARD(FOIL SIDE)
TNPA3642


S1
1
3
S34
PbF
SW061
TNPA3642
SEE REVERSE FOR ORDER NO.

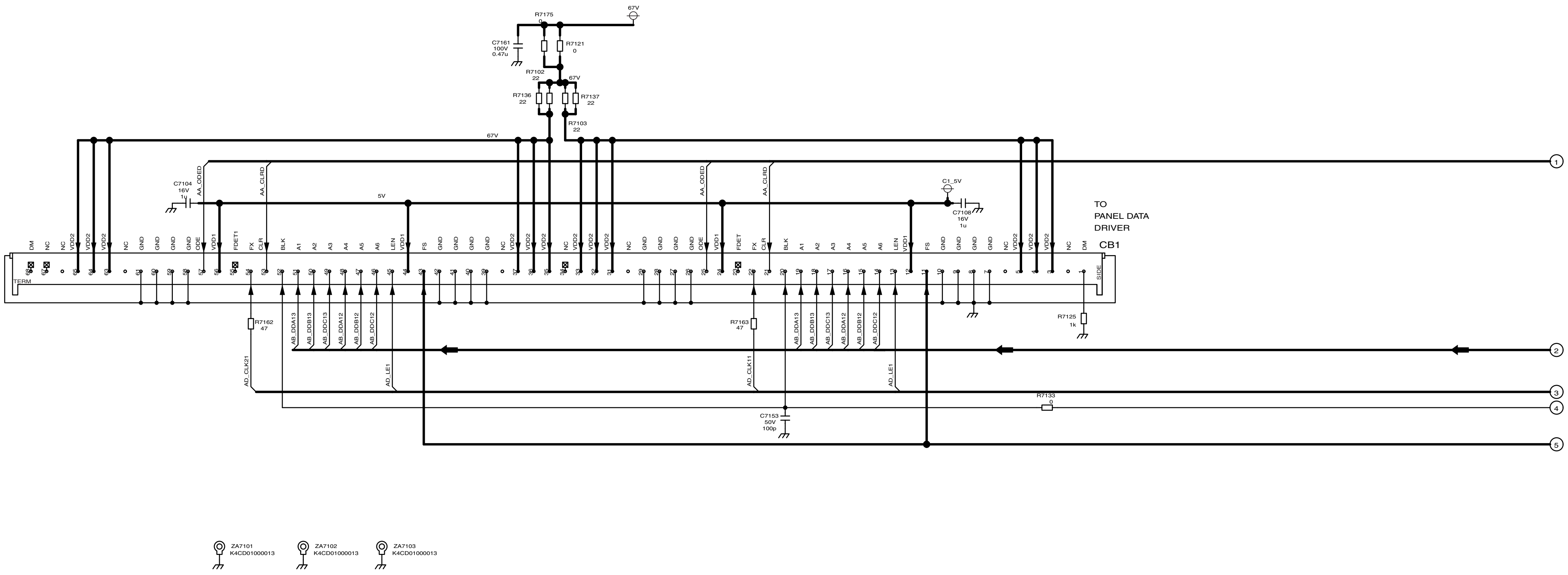
S1-BOARD(COMPONENT SIDE)
TNPA3642


TNPA3642
ORDER NO.
S1
1
3
S34
1
SW061

H3-BOARD
TNPA3003

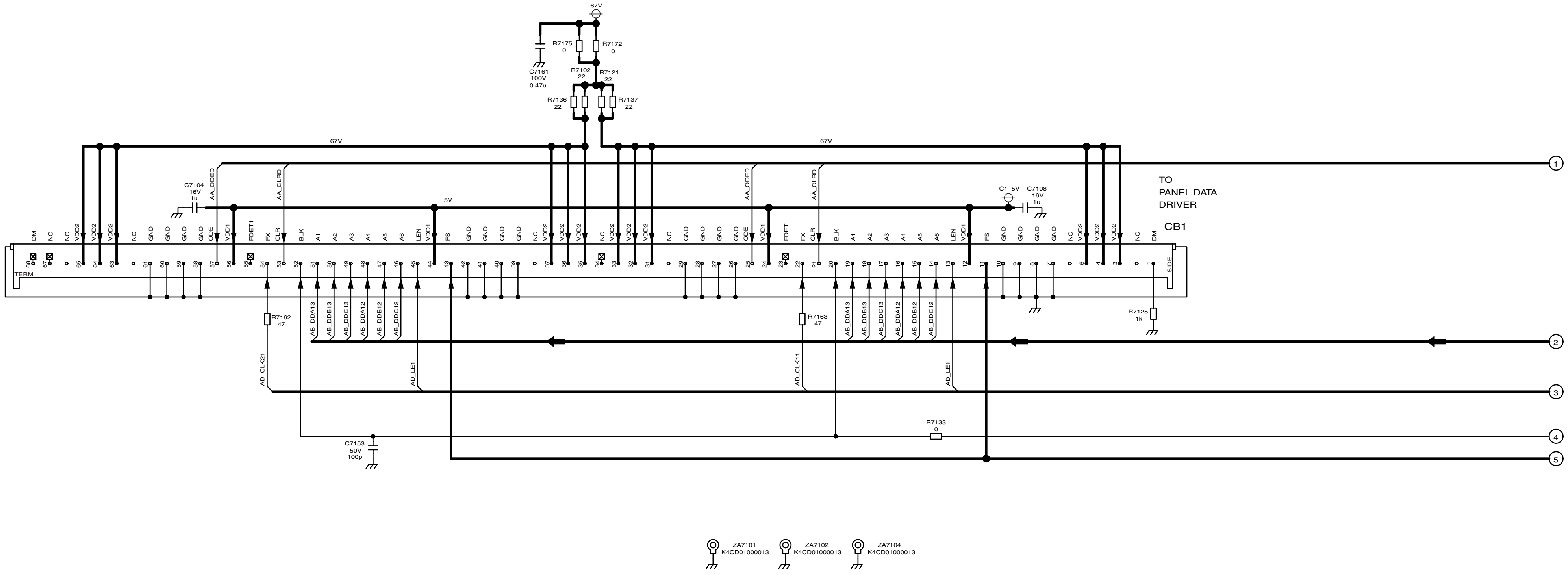

TNPA3003
SEE REVERSE FOR ORDER NO.
H3
1
PbF
JK8500
H37
C8001
C8002
L8502
L8501
3
1

⚠ C1-BOARD TNPA3541 (1/2)

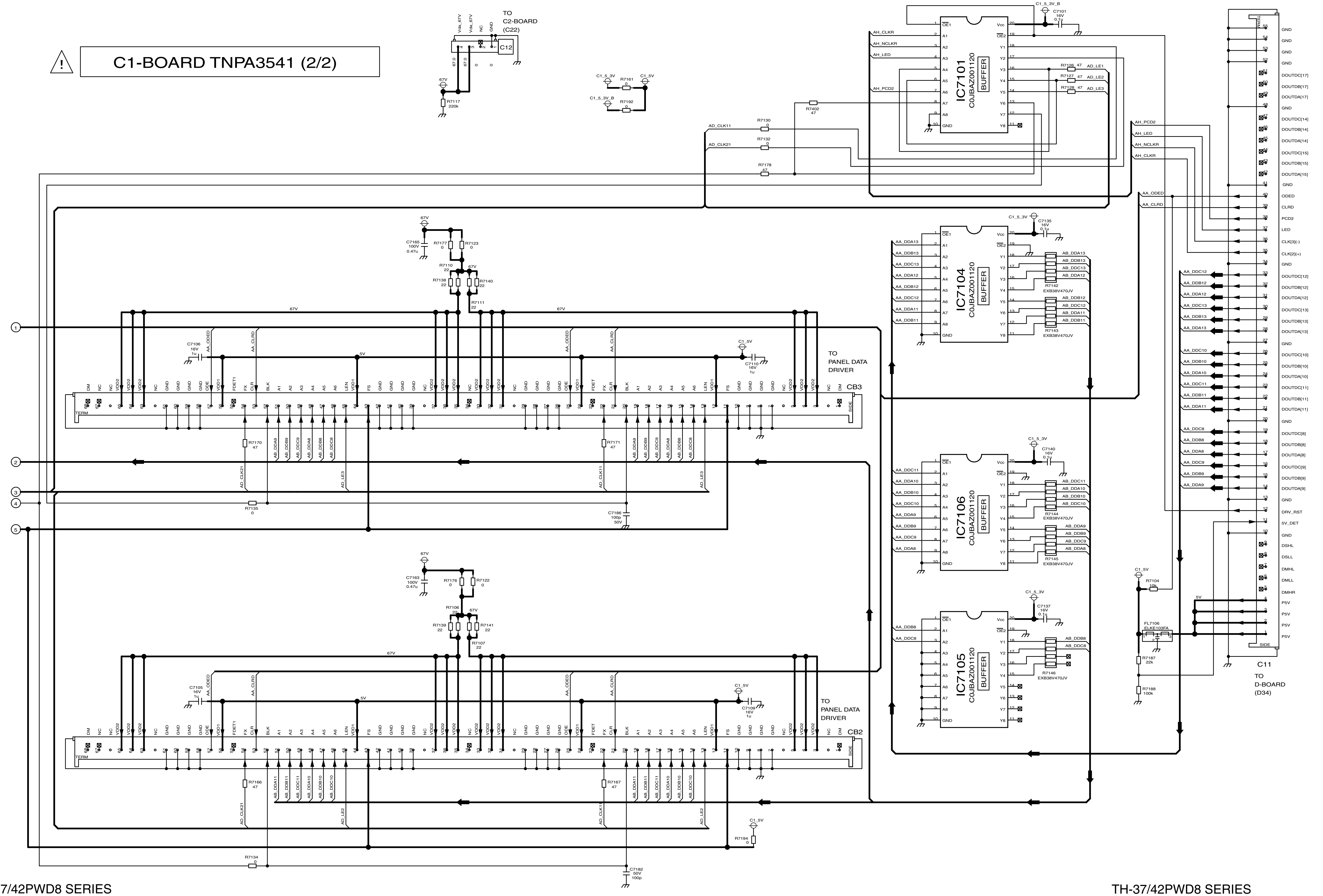


R7175
0
67V
C7161
100V
0.47u
R7121
0
R7102
22
67V
R7136
22
R7137
22
R7103
22
67V
AA_ODED
AA_CLRD
C7104
16V
1u
5V
AA_ODED
AA_CLRD
C1_5V
C7108
16V
1u
TO
PANEL DATA
DRIVER
CB1
DM
NC
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
DM
TERM
SIDE
68
67
65
64
63
61
60
59
58
57
56
55
54
53
52
51
50
49
48
47
46
45
44
43
42
41
40
39
37
36
35
34
33
32
31
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
5
4
3
1
R7162
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK21
AD_LE1
R7163
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK11
AD_LE1
R7125
1k
R7133
0
C7153
50V
100p
①
②
③
④
⑤
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
A
B
C
D
E
1
2
3
4
5
6
7
8

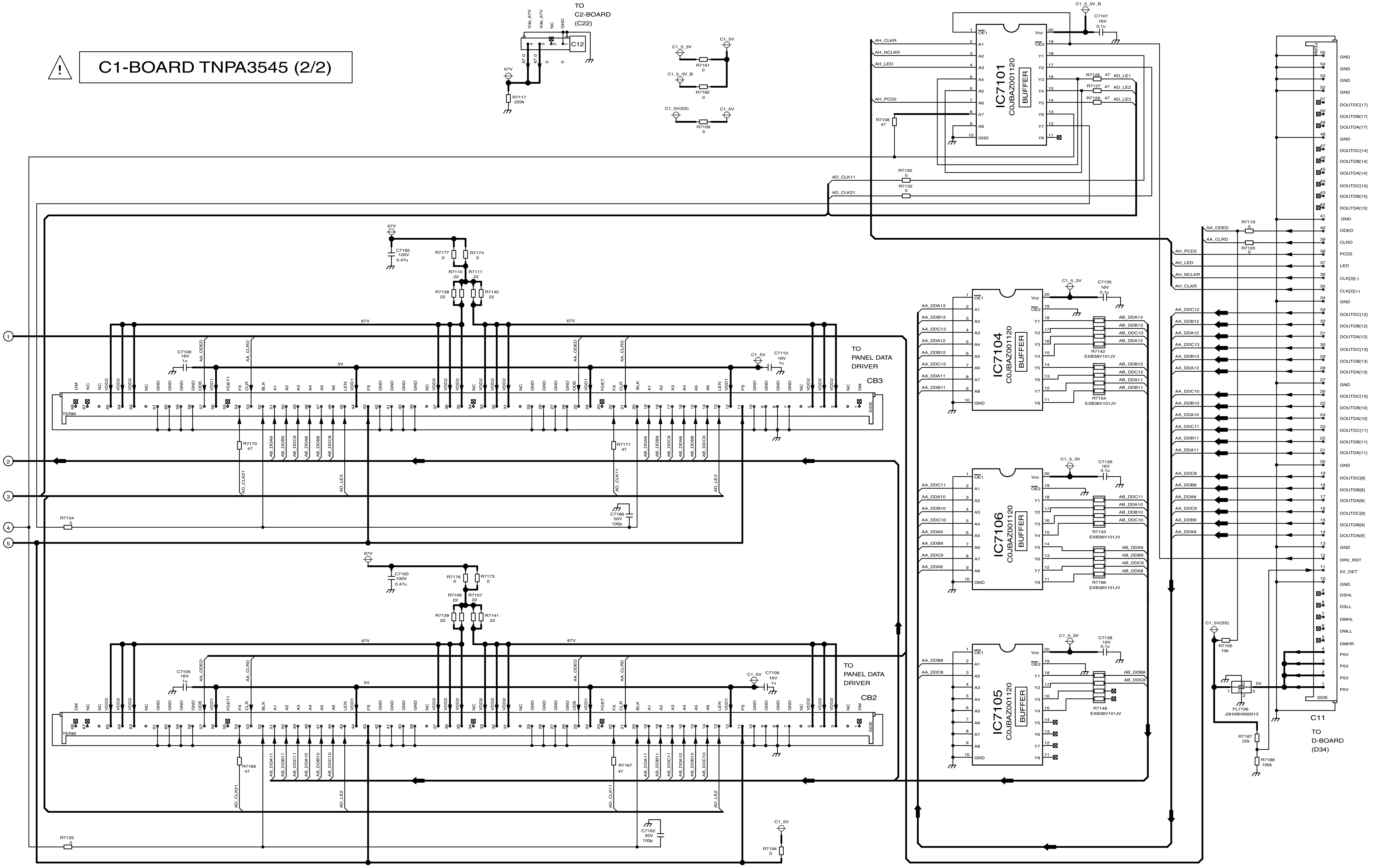
⚠ C1-BOARD TNPA3545 (1/2)


67V
C7161
100V
0.47u
R7175
0
R7172
0
R7102
22
R7121
22
R7136
22
R7137
22
67V
67V
C7104
16V
1u
AA_ODED
AA_CLRD
5V
AA_ODED
AA_CLRD
C1_5V
C7108
16V
1u
TO
PANEL DATA
DRIVER
CB1
DM
NC
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
ODE
VDD1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
VDD1
FS
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
DM
TERM
SIDE
R7162
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK21
AD_LE1
R7163
47
AB_DDA13
AB_DDB13
AB_DDC13
AB_DDA12
AB_DDB12
AB_DDC12
AD_CLK11
AD_LE1
R7125
1k
R7133
0
C7153
50V
100p
①
②
③
④
⑤
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7104
K4CD01000013

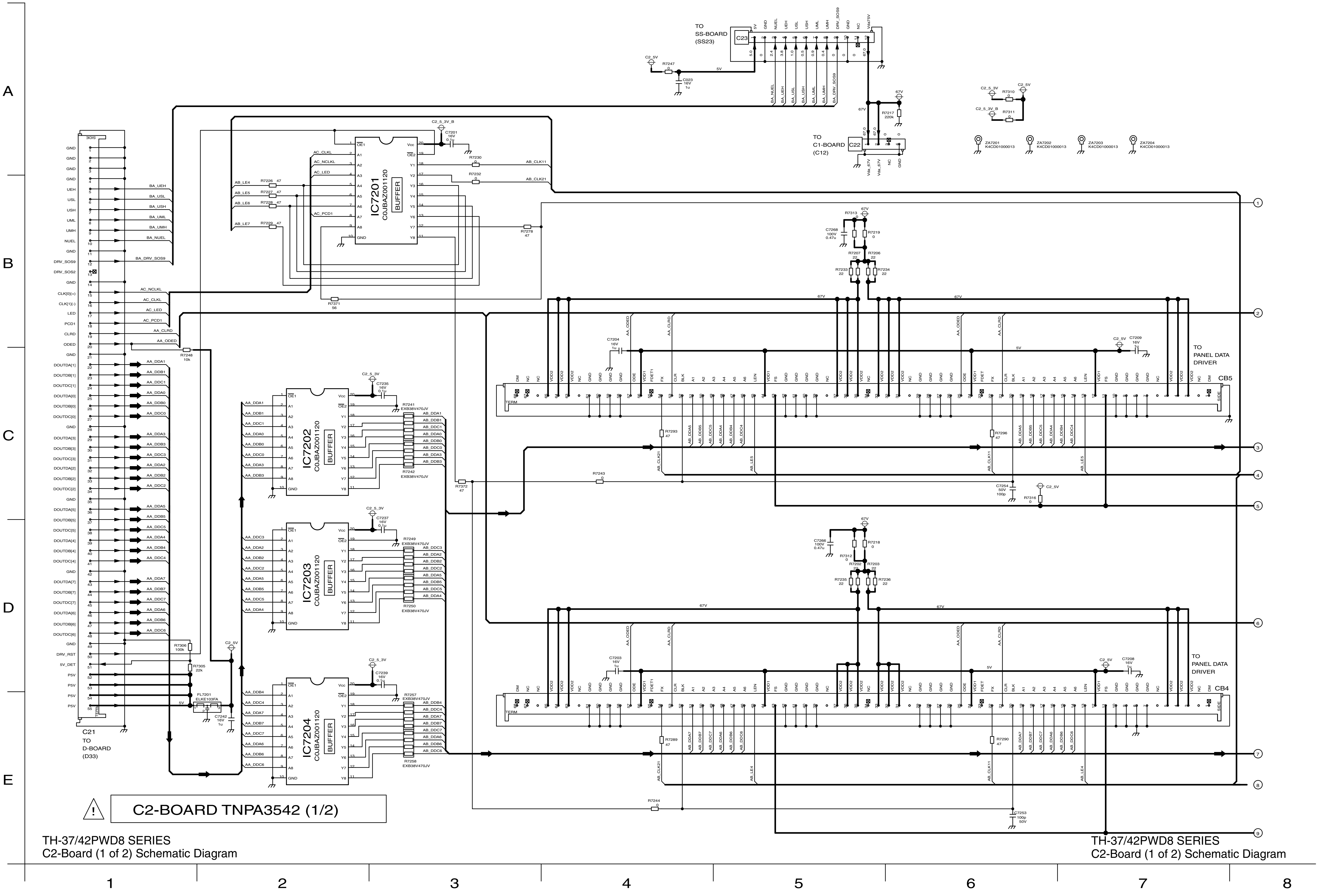
C1-BOARD TNPA3541 (2/2)


TO C2-BOARD (C22)
C12
IC7101 C0JBAZ001120 BUFFER
IC7104 C0JBAZ001120 BUFFER
IC7106 C0JBAZ001120 BUFFER
IC7105 C0JBAZ001120 BUFFER
TO PANEL DATA DRIVER
CB3
CB2
C11
TO D-BOARD (D34)
67V
C1_5V
C1_5_3V
C1_5_3V_B
5V
FL7106 ELKE103FA
R7104 10k
R7187 22k
R7188 100k
R7142 EXB38V470JV
R7143 EXB38V470JV
R7144 EXB38V470JV
R7145 EXB38V470JV
R7146 EXB38V470JV
AA_ODED
AA_CLRD
AH_PCD2
AH_LED
AH_NCLKR
AH_CLKR
AD_CLK11
AD_CLK21
AD_LE1
AD_LE2
AD_LE3
DRV_RST
5V_DET
P5V
1
2
3
4
5

C1-BOARD TNPA3545 (2/2)



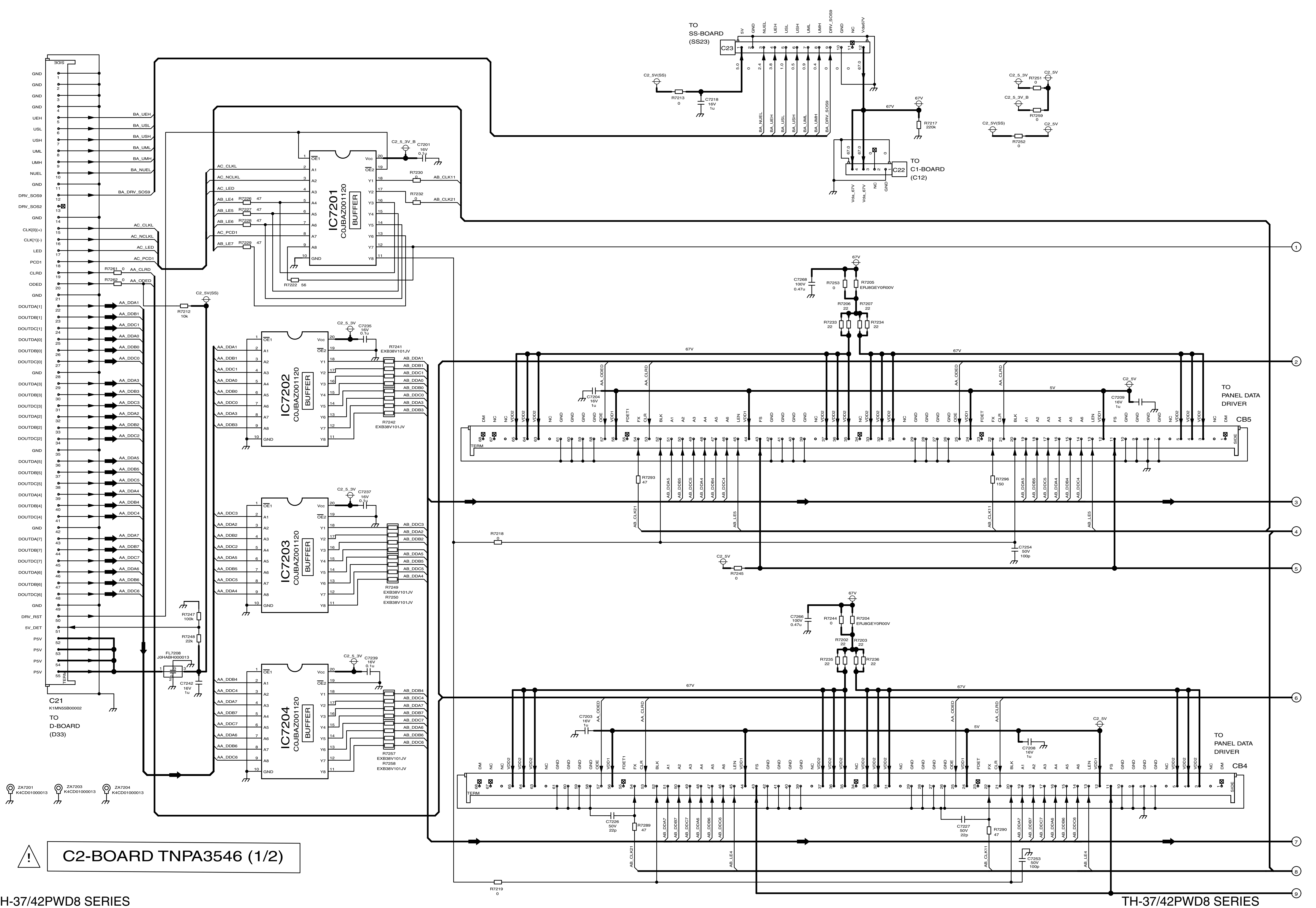
TO C2-BOARD (C22)
C12
Vda_67V
NC
GND
67V
R7117 220k
C1_5_3V
C1_5V
R7161 0
C1_5_3V_B
R7192 0
C1_5V(SS)
R7109 0
IC7101
C0JBAZ001120
BUFFER
AH_CLKR
AH_NCLKR
AH_LED
AH_PCD2
R7108 47
C1_5_3V_B
C7101 16V 0.1u
R7126 47 AD_LE1
R7127 47 AD_LE2
R7128 47 AD_LE3
AD_CLK11
R7130 0
AD_CLK21
R7132 0
C7165 100V 0.47u
R7177 0
R7174 0
R7110 22
R7111 22
R7138 22
R7140 22
C7106 16V 1u
AA_ODED
AA_CLRD
5V
C7110 16V 1u
TO PANEL DATA DRIVER
CB3
TERM
SIDE
R7170 47
R7171 47
AD_CLK21
AD_LE3
AD_CLK11
C7186 50V 100p
R7134 0
C7163 100V 0.47u
R7176 0
R7173 0
R7106 22
R7107 22
R7139 22
R7141 22
C7105 16V 1u
C7109 16V 1u
TO PANEL DATA DRIVER
CB2
R7166 47
R7167 47
AD_LE2
C7182 50V 100p
R7135 0
R7194 0
IC7104
C0JBAZ001120
BUFFER
C7135 16V 0.1u
R7142 EXB38V101JV
R7154 EXB38V101JV
IC7106
C0JBAZ001120
BUFFER
C7139 16V 0.1u
R7143 EXB38V101JV
R7196 EXB38V101JV
IC7105
C0JBAZ001120
BUFFER
C7138 16V 0.1u
R7148 EXB38V101JV
AA_ODED
R7119 0
AA_CLRD
R7120 0
GND
DOUTDC[17]
DOUTDB[17]
DOUTDA[17]
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED
CLRD
PCD2
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
DRV_RST
5V_DET
DSHL
DSLL
DMHL
DMLL
DMHR
P5V
C1_5V(SS)
R7105 10k
FL7106 J0HABH000013
R7187 22k
R7188 100k
C11
TO D-BOARD (D34)


A
B
C
D
E
1
2
3
4
5
6
7
8
TO
SS-BOARD
(SS23)
C23
5V
GND
NUEL
UEH
USL
USH
UML
UMH
DRV_SOS9
GND
NC
Vda75V
C2_5V
R7247
C023
16V
1u
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_DRV_SOS9
67V
R7217
220k
TO
C1-BOARD
(C12)
C22
Vda_67V
NC
GND
C2_5_3V
R7310
C2_5V
C2_5_3V_B
R7311
ZA7201
K4CD01000013
ZA7202
K4CD01000013
ZA7203
K4CD01000013
ZA7204
K4CD01000013
C2_5_3V_B
C7201
16V
0.1u
IC7201
C0JBAZ001120
BUFFER
R7230
R7232
AB_CLK11
AB_CLK21
AC_CLKL
AC_NCLKL
AC_LED
AC_PCD1
AB_LE4
AB_LE5
AB_LE6
AB_LE7
R7226
R7227
R7228
R7229
47
R7278
47
R7371
56
C21
TO
D-BOARD
(D33)
GND
UEH
USL
USH
UML
UMH
NUEL
DRV_SOS9
DRV_SOS2
CLK[0](+)
CLK[1](-)
LED
PCD1
CLRD
ODED
DOUTDA[1]
DOUTDB[1]
DOUTDC[1]
DOUTDA[0]
DOUTDB[0]
DOUTDC[0]
DOUTDA[3]
DOUTDB[3]
DOUTDC[3]
DOUTDA[2]
DOUTDB[2]
DOUTDC[2]
DOUTDA[5]
DOUTDB[5]
DOUTDC[5]
DOUTDA[4]
DOUTDB[4]
DOUTDC[4]
DOUTDA[7]
DOUTDB[7]
DOUTDC[7]
DOUTDA[6]
DOUTDB[6]
DOUTDC[6]
DRV_RST
5V_DET
P5V
TERM
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_NUEL
BA_DRV_SOS9
AC_NCLKL
AC_CLKL
AC_LED
AC_PCD1
AA_CLRD
AA_ODED
R7248
10k
R7306
100k
R7305
22k
C2_5V
FL7201
ELKE103FA
C7242
16V
1u
IC7202
C0JBAZ001120
BUFFER
C7235
16V
0.1u
R7241
EXB38V470JV
R7242
EXB38V470JV
IC7203
C0JBAZ001120
BUFFER
C7237
16V
0.1u
R7249
EXB38V470JV
R7250
EXB38V470JV
IC7204
C0JBAZ001120
BUFFER
C7239
16V
0.1u
R7257
EXB38V470JV
R7258
EXB38V470JV
R7372
47
R7243
R7244
R7313
67V
C7268
100V
0.47u
R7219
R7207
R7206
R7233
R7234
22
C7204
16V
1u
C7209
16V
1u
TO
PANEL DATA
DRIVER
CB5
VDD2
VDD1
FDET
FX
CLR
BLK
LEN
FS
ODE
DM
SIDE
R7293
47
R7296
47
AB_CLK21
AB_CLK11
AB_LE5
C7254
50V
100p
R7316
C7266
100V
0.47u
R7218
R7312
R7202
R7203
R7235
R7236
22
C7203
16V
1u
C7208
16V
1u
CB4
R7289
47
R7290
47
AB_LE4
C7253
100p
50V
①
②
③
④
⑤
⑥
⑦
⑧
⑨

C2-BOARD TNPA3542 (1/2)

TH-37/42PWD8 SERIES
C2-Board (1 of 2) Schematic Diagram

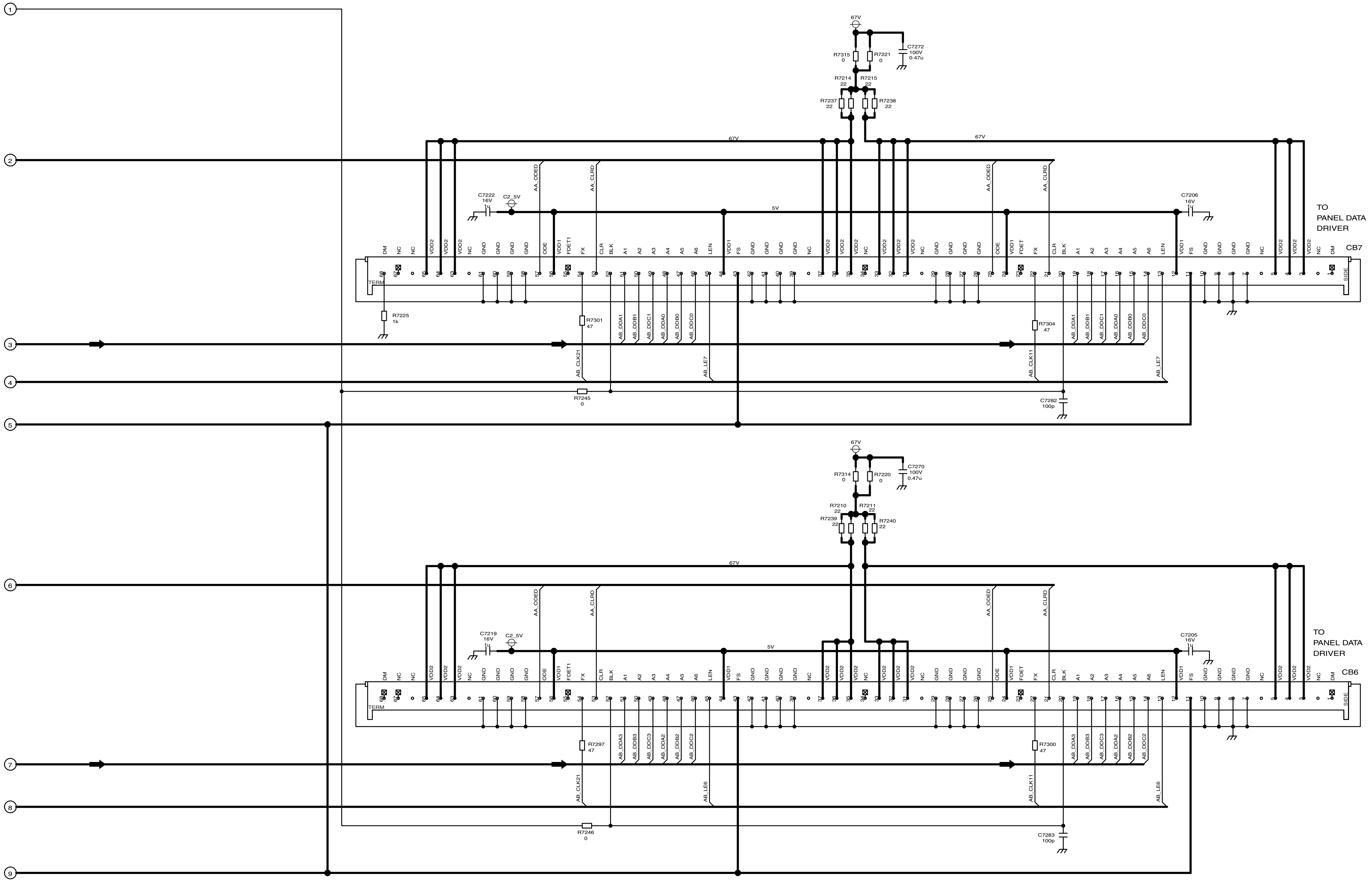
TH-37/42PWD8 SERIES
C2-Board (1 of 2) Schematic Diagram



A
B
C
D
E
1
2
3
4
5
6
7
8
TO
SS-BOARD
(SS23)
C23
C2_5V(SS)
R7213
0
C7218
16V
1u
67V
R7217
220k
TO
C1-BOARD
(C12)
C22
Vda_67V
NC
GND
C2_5_3V
R7251
0
C2_5V
C2_5_3V_B
R7259
0
C2_5V(SS)
R7252
0
IC7201
C0JBAZ001120
BUFFER
C2_5_3V_B
C7201
16V
0.1u
R7230
0
AB_CLK11
R7232
0
AB_CLK21
AC_CLKL
AC_NCLKL
AC_LED
AB_LE4
AB_LE5
AB_LE6
AC_PCD1
AB_LE7
R7226
R7227
R7228
R7229
47
R7222
56
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_NUEL
BA_DRV_SOS9
GND
UEH
USL
USH
UML
UMH
NUEL
DRV_SOS9
DRV_SOS2
CLK[0](+)
CLK[1](-)
LED
PCD1
CLRD
ODED
DOUTDA[1]
DOUTDB[1]
DOUTDC[1]
DOUTDA[0]
DOUTDB[0]
DOUTDC[0]
DOUTDA[3]
DOUTDB[3]
DOUTDC[3]
DOUTDA[2]
DOUTDB[2]
DOUTDC[2]
DOUTDA[5]
DOUTDB[5]
DOUTDC[5]
DOUTDA[4]
DOUTDB[4]
DOUTDC[4]
DOUTDA[7]
DOUTDB[7]
DOUTDC[7]
DOUTDA[6]
DOUTDB[6]
DOUTDC[6]
DRV_RST
5V_DET
P5V
R7261
0
AA_CLRD
R7262
0
AA_ODED
R7212
10k
C2_5V(SS)
IC7202
C0JBAZ001120
BUFFER
C2_5_3V
C7235
16V
0.1u
R7241
EXB38V101JV
R7242
EXB38V101JV
IC7203
C0JBAZ001120
BUFFER
C7237
16V
0.1u
R7249
EXB38V101JV
R7250
EXB38V101JV
IC7204
C0JBAZ001120
BUFFER
C7239
16V
0.1u
R7257
EXB38V101JV
R7258
EXB38V101JV
R7247
100k
R7248
22k
FL7208
J0HABH000013
C7242
16V
1u
C21
K1MN55B00002
TO
D-BOARD
(D33)
ZA7201
K4CD01000013
ZA7203
K4CD01000013
ZA7204
K4CD01000013
67V
C7268
100V
0.47u
R7253
0
R7205
ERJ8GEY0R00V
R7206
22
R7207
22
R7233
22
R7234
22
C7204
16V
1u
5V
C7209
16V
1u
TO
PANEL DATA
DRIVER
CB5
R7293
47
R7296
150
AB_CLK21
AB_LE5
AB_CLK11
R7218
0
C7254
50V
100p
C2_5V
R7245
0
C7266
100V
0.47u
R7244
0
R7204
ERJ8GEY0R00V
R7202
22
R7203
22
R7235
22
R7236
22
C7203
16V
1u
C7208
16V
1u
TO
PANEL DATA
DRIVER
CB4
C7226
50V
22p
R7289
47
C7227
50V
22p
R7290
47
C7253
50V
100p
AB_LE4
R7219
0
①
②
③
④
⑤
⑥
⑦
⑧
⑨

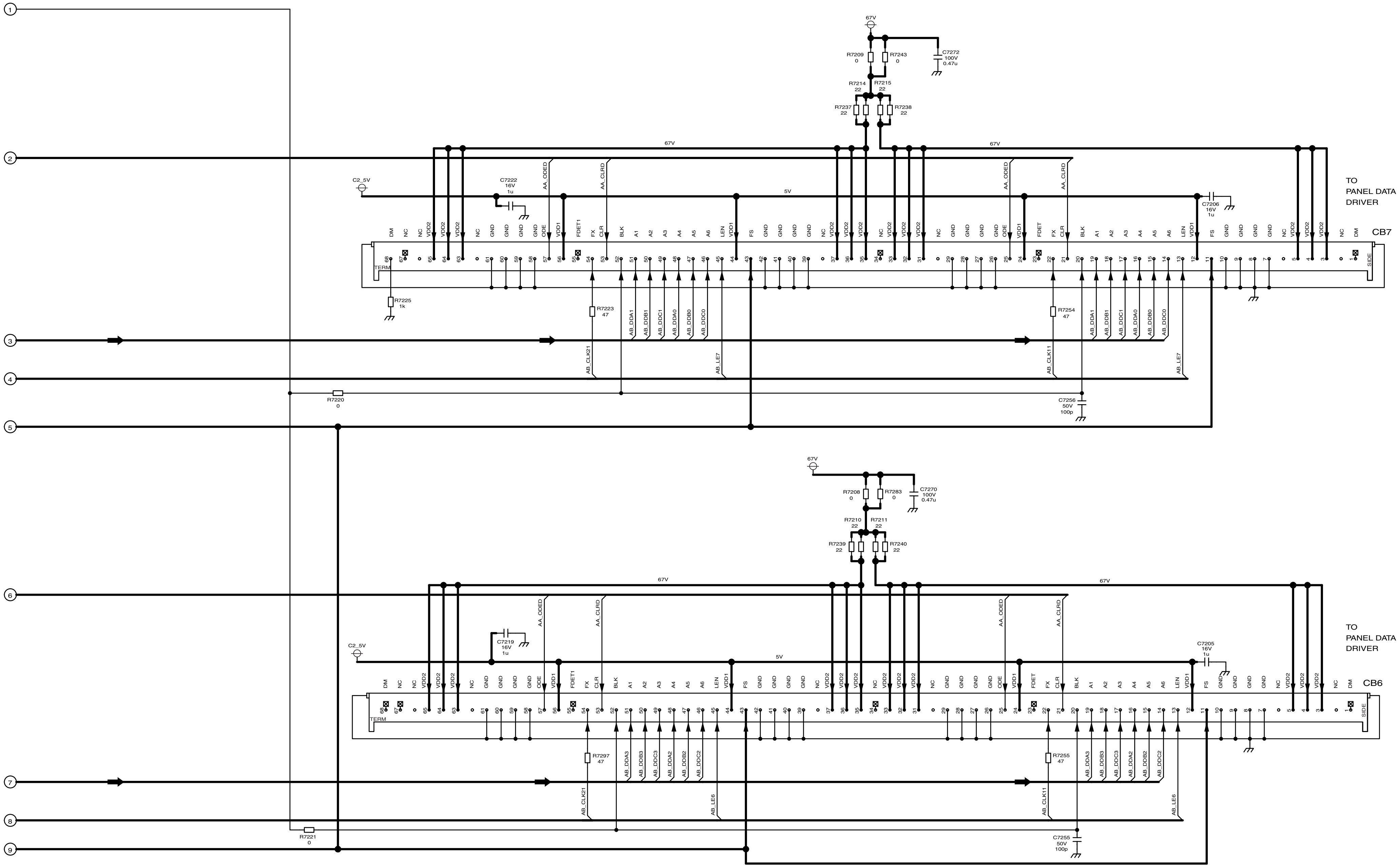
C2-BOARD TNPA3546 (1/2)

⚠ C2-BOARD TNPA3542 (2/2)

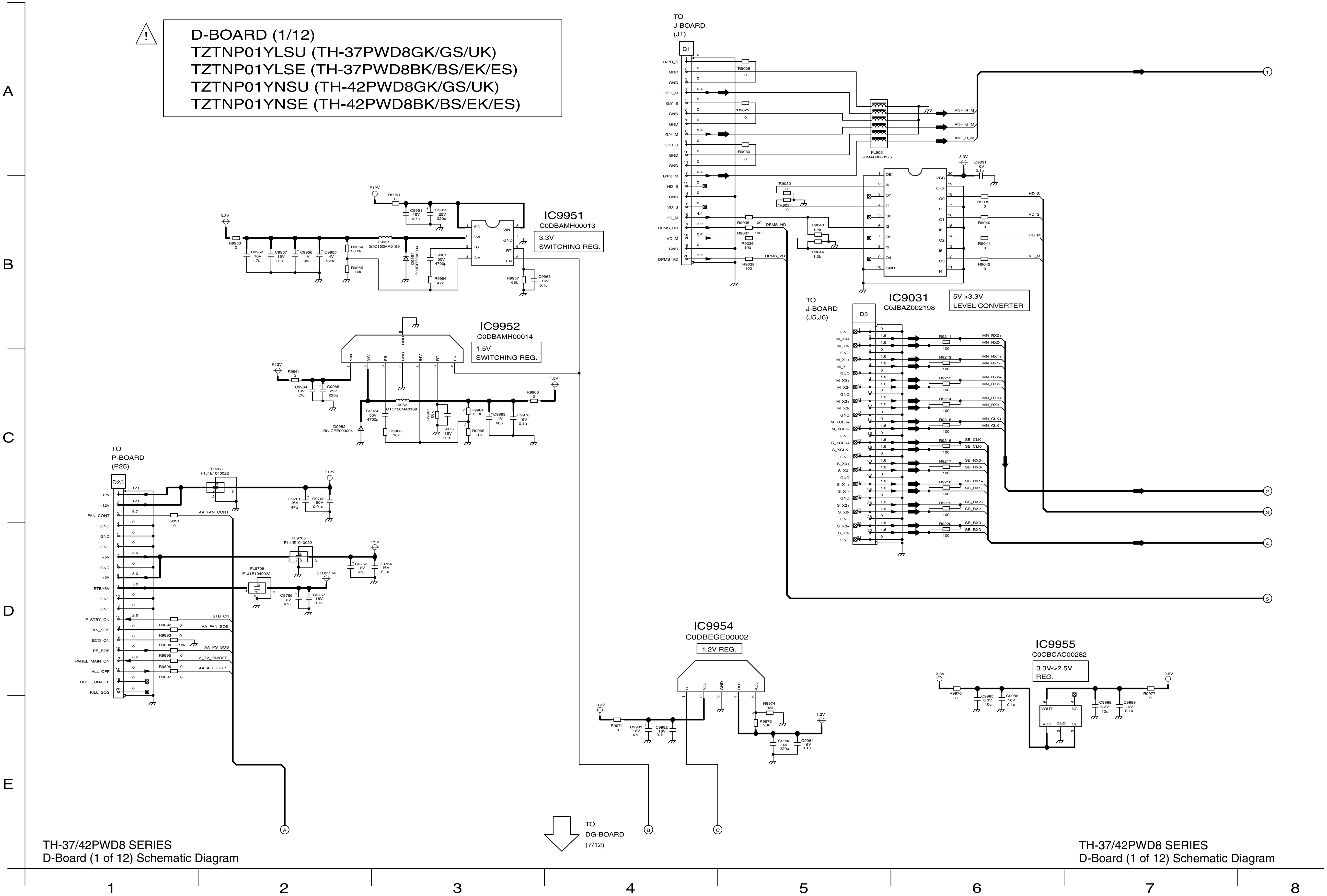


1
2
3
4
5
6
7
8
9
67V
R7315 0
R7221 0
C7272 100V 0.47u
R7214 22
R7215 22
R7237 22
R7238 22
C7222 16V 1u
C2_5V
5V
AA_ODED
AA_CLRD
C7206 16V 1u
TO PANEL DATA DRIVER
CB7
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FDET
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
TERM
SIDE
R7225 1k
R7301 47
R7304 47
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_CLK21
AB_CLK11
AB_LE7
R7245 0
C7282 100p
R7314 0
R7220 0
C7270 100V 0.47u
R7210 22
R7211 22
R7239 22
R7240 22
C7219 16V 1u
C7205 16V 1u
CB6
R7297 47
R7300 47
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_LE6
R7246 0
C7283 100p

C2-BOARD TNPA3546 (2/2)

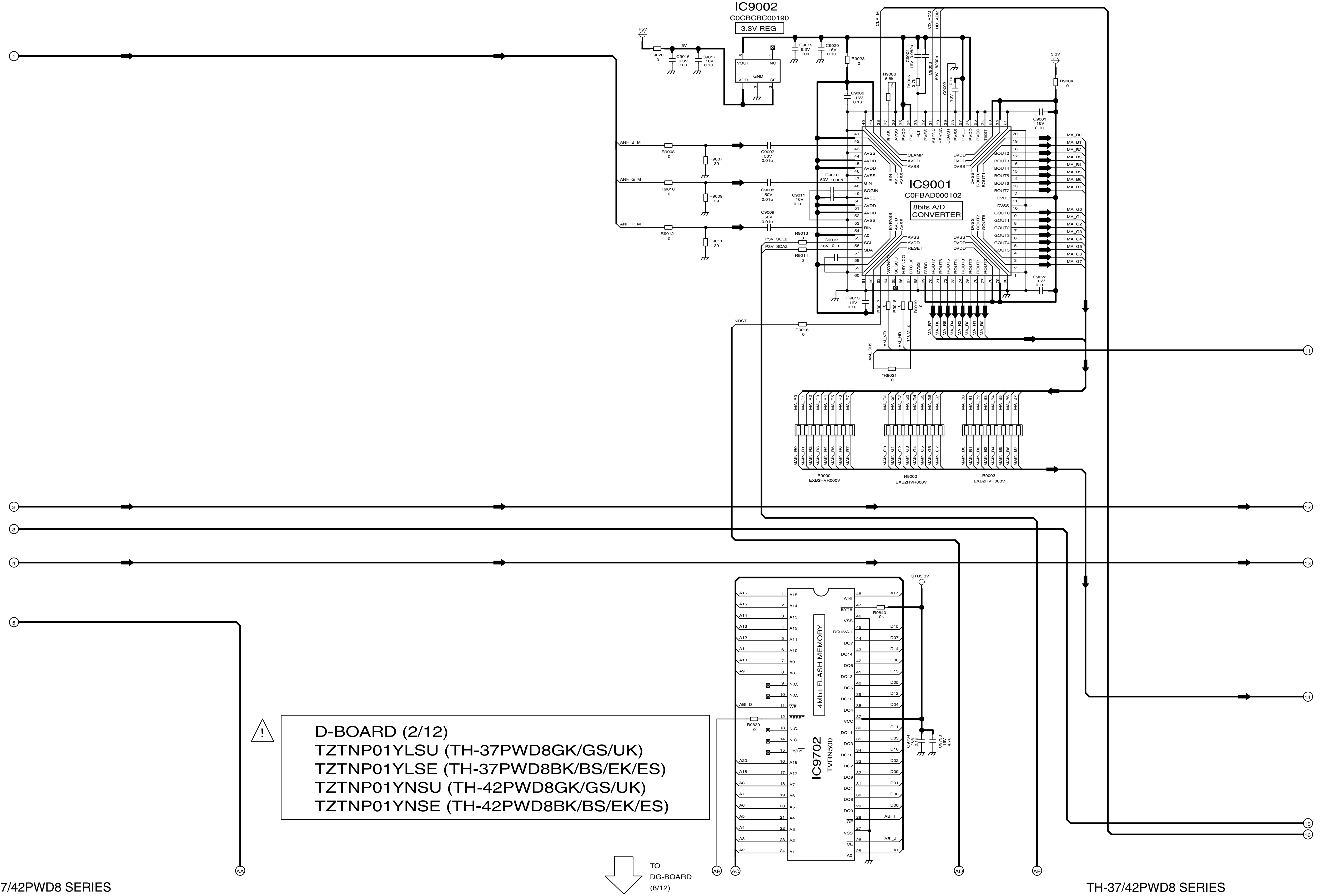

1
2
3
4
5
6
7
8
9
67V
R7209
0
R7243
0
C7272
100V
0.47u
R7214
22
R7215
22
R7237
22
R7238
22
67V
C2_5V
C7222
16V
1u
AA_ODED
AA_CLRD
5V
C7206
16V
1u
TO
PANEL DATA
DRIVER
CB7
DM
NC
VDD2
GND
ODE
VDD1
FDET1
FX
CLR
BLK
A1
A2
A3
A4
A5
A6
LEN
FS
FDET
SIDE
TERM
R7225
1k
R7223
47
R7254
47
AB_DDA1
AB_DDB1
AB_DDC1
AB_DDA0
AB_DDB0
AB_DDC0
AB_CLK21
AB_LE7
AB_CLK11
R7220
0
C7256
50V
100p
R7208
0
R7283
0
C7270
100V
0.47u
R7210
22
R7211
22
R7239
22
R7240
22
C7219
16V
1u
C7205
16V
1u
CB6
R7297
47
R7255
47
AB_DDA3
AB_DDB3
AB_DDC3
AB_DDA2
AB_DDB2
AB_DDC2
AB_LE6
R7221
0
C7255
50V
100p
8
9
10
11
12
13
14
15

⚠ D-BOARD (1/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

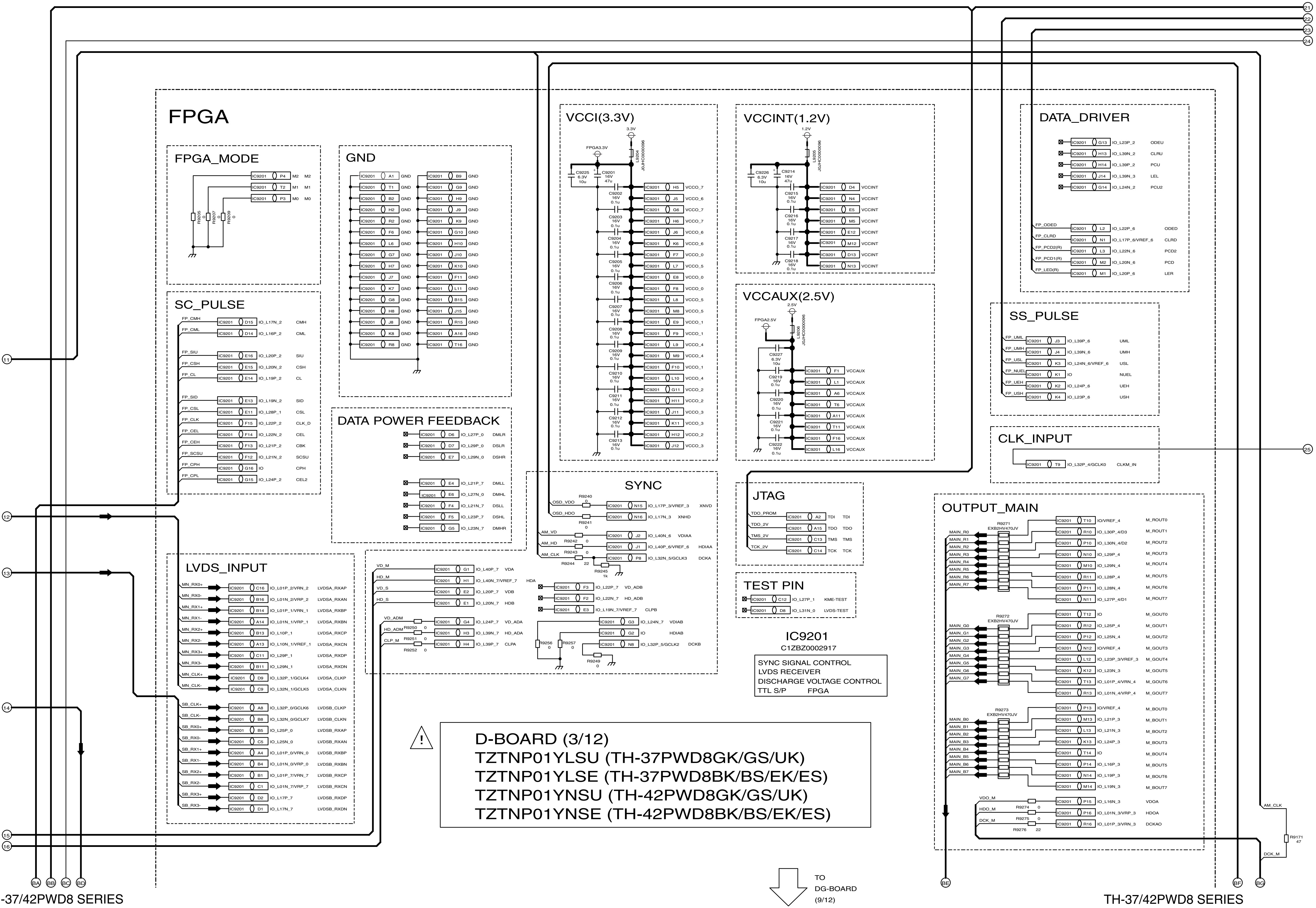

A
B
C
D
E
1
2
3
4
5
6
7
8
IC9951
C0DBAMH00013
3.3V SWITCHING REG.
VIN
SW
FB
INV
GND
RT
EN
P12V
3.3V
R9951
R9953
R9954 23.2k
R9955 10k
R9956 47k
R9957 68k
L9951 G1C150MA0169
D9951 B0JCPE000004
C9951 16V 4.7u
C9952 25V 220u
C9955 4V 220u
C9956 4V 68u
C9957 16V 0.1u
C9959 16V 4.7u
C9961 50V 4700p
C9963 16V 0.1u
IC9952
C0DBAMH00014
1.5V SWITCHING REG.
R9961 0
R9963 0
R9964 5.1k
R9965 10k
R9966 18k
R9967 68k
L9952 G1C150MA0169
D9952 B0JCPE000004
C9964 16V 4.7u
C9965 25V 220u
C9969 4V 68u
C9970 16V 0.1u
C9974 50V 4700p
C9975 16V 0.1u
1.5V
TO P-BOARD (P25)
D25
+12V
+12V
FAN_CONT
GND
GND
GND
+5V
GND
+5V
STBY5V
GND
GND
F_STBY_ON
FAN_SOS
ECO_ON
PS_SOS
PANEL_MAIN_ON
ALL_OFF
RUSH_ON/OFF
KILL_SOS
FL9703 F1J1E1040022
FL9705 F1J1E1040022
FL9706 F1J1E1040022
C9761 16V 47u
C9762 50V 0.01u
C9763 16V 47u
C9764 16V 0.1u
C9766 16V 47u
C9767 16V 0.1u
P5V
STB5V_M
R9891 0
AA_FAN_CONT
R9892
R9893
R9894 10k
R9895
R9896
R9897
STB_ON
AA_FAN_SOS
AA_PS_SOS
A_TV_ON/OFF
AA_ALL_OFF1
TO J-BOARD (J1)
D1
R/PR_S
R/PR_M
G/Y_S
G/Y_M
B/PB_S
B/PB_M
HD_S
VD_S
HD_M
DPMS_HD
VD_M
DPMS_VD
*R9028
*R9029
*R9030
*R9032
*R9034
R9035 100
R9036 100
R9037 100
R9038 100
R9043 1.2k
R9044 1.2k
FL9051 J0MAB0000175
ANF_R_M
ANF_G_M
ANF_B_M
C9031 16V 0.1u
R9039 0
R9040 0
R9041 0
R9042 0
HD_S
VD_S
HD_M
VD_M
IC9031
C0JBAZ002198
5V->3.3V LEVEL CONVERTER
OE1
OE2
VCC
GND
TO J-BOARD (J5,J6)
D5
M_X0+
M_X0-
M_X1+
M_X1-
M_X2+
M_X2-
M_X3+
M_X3-
M_XCLK+
M_XCLK-
S_XCLK+
S_XCLK-
S_X0+
S_X0-
S_X1+
S_X1-
S_X2+
S_X2-
S_X3+
S_X3-
R9211 100
R9212 100
R9213 100
R9214 100
R9215 100
R9216 100
R9217 100
R9218 100
R9219 100
R9220 100
MN_RX0+
MN_RX0-
MN_RX1+
MN_RX1-
MN_RX2+
MN_RX2-
MN_RX3+
MN_RX3-
MN_CLK+
MN_CLK-
SB_CLK+
SB_CLK-
SB_RX0+
SB_RX0-
SB_RX1+
SB_RX1-
SB_RX2+
SB_RX2-
SB_RX3+
SB_RX3-
IC9954
C0DBEGE00002
1.2V REG.
CTL
Vcc
GND
OUT
ADJ
R9971 0
R9973 20k
R9974 33k
C9981 16V 47u
C9982 16V 0.1u
C9983 4V 220u
C9984 16V 0.1u
1.2V
IC9955
C0CBCAC00282
3.3V->2.5V REG.
VOUT
NC
VDD
GND
CE
R9976 0
R9977 0
C9985 6.3V 10u
C9986 16V 0.1u
C9988 6.3V 10u
C9989 16V 0.1u
2.5V
TO DG-BOARD (7/12)

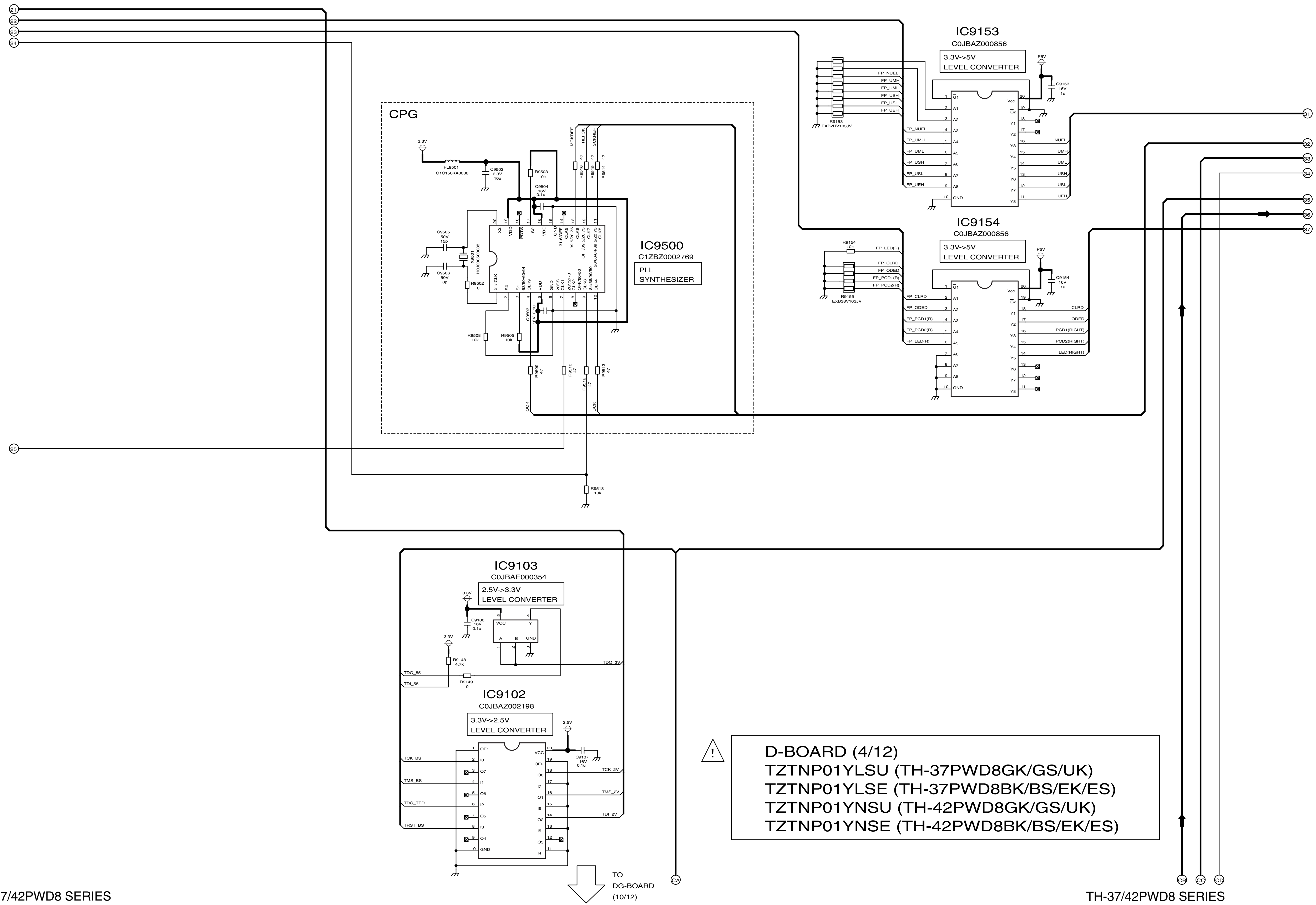
TH-37/42PWD8 SERIES
D-Board (1 of 12) Schematic Diagram

TH-37/42PWD8 SERIES
D-Board (1 of 12) Schematic Diagram


IC9002
C0CBCBC00190
3.3V REG
P5V
5V
R9020
0
C9016
6.3V
10u
C9017
16V
0.1u
C9019
6.3V
10u
C9020
16V
0.1u
R9023
0
VOUT
NC
GND
VDD
CE
C9006
16V
0.1u
R9006
6.8k
C9004
16V
0.082u
R9005
2.7k
C9003
50V
8200p
C9002
16V
0.1u
3.3V
R9004
0
C9001
16V
0.1u
CLP_M
VD_ADM
HD_ADM
ANF_B_M
R9008
0
R9007
39
C9007
50V
0.01u
ANF_G_M
R9010
0
R9009
39
C9008
50V
0.01u
C9010
50V 1000p
C9011
16V
0.1u
ANF_R_M
R9012
0
R9011
39
C9009
50V
0.01u
P3V_SCL2
P3V_SDA2
R9013
0
R9014
0
C9012
16V 0.1u
C9013
16V
0.1u
IC9001
C0FBAD000102
8bits A/D
CONVERTER
CLAMP
AVDD
AVSS
BIAS
PVDD
FLT
PVSS
VSYNC
HSYNC
COAST
TEST
GIN
SOGIN
RIN
A0
SCL
SDA
BIN
BYPASS
RESET
VSYNCO
SOGOUT
HSYNCO
DTCLK
DVDD
DVSS
BOUT0
BOUT1
BOUT2
BOUT3
BOUT4
BOUT5
BOUT6
BOUT7
GOUT0
GOUT1
GOUT2
GOUT3
GOUT4
GOUT5
GOUT6
GOUT7
ROUT0
ROUT1
ROUT2
ROUT3
ROUT4
ROUT5
ROUT6
ROUT7
MA_B0
MA_B1
MA_B2
MA_B3
MA_B4
MA_B5
MA_B6
MA_B7
MA_G0
MA_G1
MA_G2
MA_G3
MA_G4
MA_G5
MA_G6
MA_G7
MA_R0
MA_R1
MA_R2
MA_R3
MA_R4
MA_R5
MA_R6
MA_R7
C9022
16V
0.1u
R9017
0
R9018
0
R9019
0
NRST
R9016
0
AM_CLK
AM_VD
AM_HD
110MHz
*R9021
10
MAIN_R0
MAIN_R1
MAIN_R2
MAIN_R3
MAIN_R4
MAIN_R5
MAIN_R6
MAIN_R7
MAIN_G0
MAIN_G1
MAIN_G2
MAIN_G3
MAIN_G4
MAIN_G5
MAIN_G6
MAIN_G7
MAIN_B0
MAIN_B1
MAIN_B2
MAIN_B3
MAIN_B4
MAIN_B5
MAIN_B6
MAIN_B7
R9000
EXB2HVR000V
R9002
EXB2HVR000V
R9003
EXB2HVR000V
1
2
3
4
5
11
12
13
14
15
16
STB3.3V
R9840
10k
IC9702
TVRN500
4Mbit FLASH MEMORY
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A20
N.C.
WE
RESET
RY/BY
BYTE
VSS
VCC
OE
CE
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15/A-1
D00
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15
ABI_D
ABI_I
ABI_J
R9839
0
C9734
16V
0.1u
C9733
10V
4.7u
AA
AB
AC
AD
AE
TO
DG-BOARD
(8/12)

D-BOARD (2/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


FPGA
FPGA_MODE
GND
SC_PULSE
DATA POWER FEEDBACK
LVDS_INPUT
VCCI(3.3V)
VCCINT(1.2V)
VCCAUX(2.5V)
SYNC
JTAG
TEST PIN
DATA_DRIVER
SS_PULSE
CLK_INPUT
OUTPUT_MAIN
IC9201
C1ZBZ0002917
SYNC SIGNAL CONTROL
LVDS RECEIVER
DISCHARGE VOLTAGE CONTROL
TTL S/P FPGA
D-BOARD (3/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)
TO
DG-BOARD
(9/12)
R9271 EXB2HV470JV
R9272 EXB2HV470JV
R9273 EXB2HV470JV
AM_CLK
DCK_M
R9171 47
BA BB BC BD BE BF BG
11 12 13 14 15 16 21 22 23 24 25



21
22
23
24
25
CPG
IC9500
C1ZBZ0002769
PLL SYNTHESIZER
3.3V
FL9501
G1C150KA0038
C9502 6.3V 10u
R9503 10k
C9504 16V 0.1u
C9505 50V 15p
C9506 50V 8p
X9501
H0J200500008
R9502 0
R9508 10k
R9505 10k
C9503 16V 0.1u
R9509 47
R9510 47
R9512 47
R9513 47
R9516 47
R9515 47
R9514 47
MCKREF
REFCK
SCKREF
OCK
R9518 10k
IC9153
C0JBAZ000856
3.3V->5V LEVEL CONVERTER
P5V
C9153 16V 1u
R9153 EXB2HV103JV
FP_NUEL
FP_UMH
FP_UML
FP_USH
FP_USL
FP_UEH
NUEL
UMH
UML
USH
USL
UEH
IC9154
C0JBAZ000856
3.3V->5V LEVEL CONVERTER
C9154 16V 1u
R9154 10k
R9155 EXB38V103JV
FP_LED(R)
FP_CLRD
FP_ODED
FP_PCD1(R)
FP_PCD2(R)
CLRD
ODED
PCD1(RIGHT)
PCD2(RIGHT)
LED(RIGHT)
31
32
33
34
35
36
37
IC9103
C0JBAE000354
2.5V->3.3V LEVEL CONVERTER
C9108 16V 0.1u
VCC
Y
A
B
GND
R9148 4.7k
R9149 0
TDO_5S
TDI_5S
TDO_2V
IC9102
C0JBAZ002198
3.3V->2.5V LEVEL CONVERTER
2.5V
C9107 16V 0.1u
TCK_BS
TMS_BS
TDO_TED
TRST_BS
TCK_2V
TMS_2V
TDI_2V
CA
CB
CC
CD
TO DG-BOARD (10/12)

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D-BOARD (4/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

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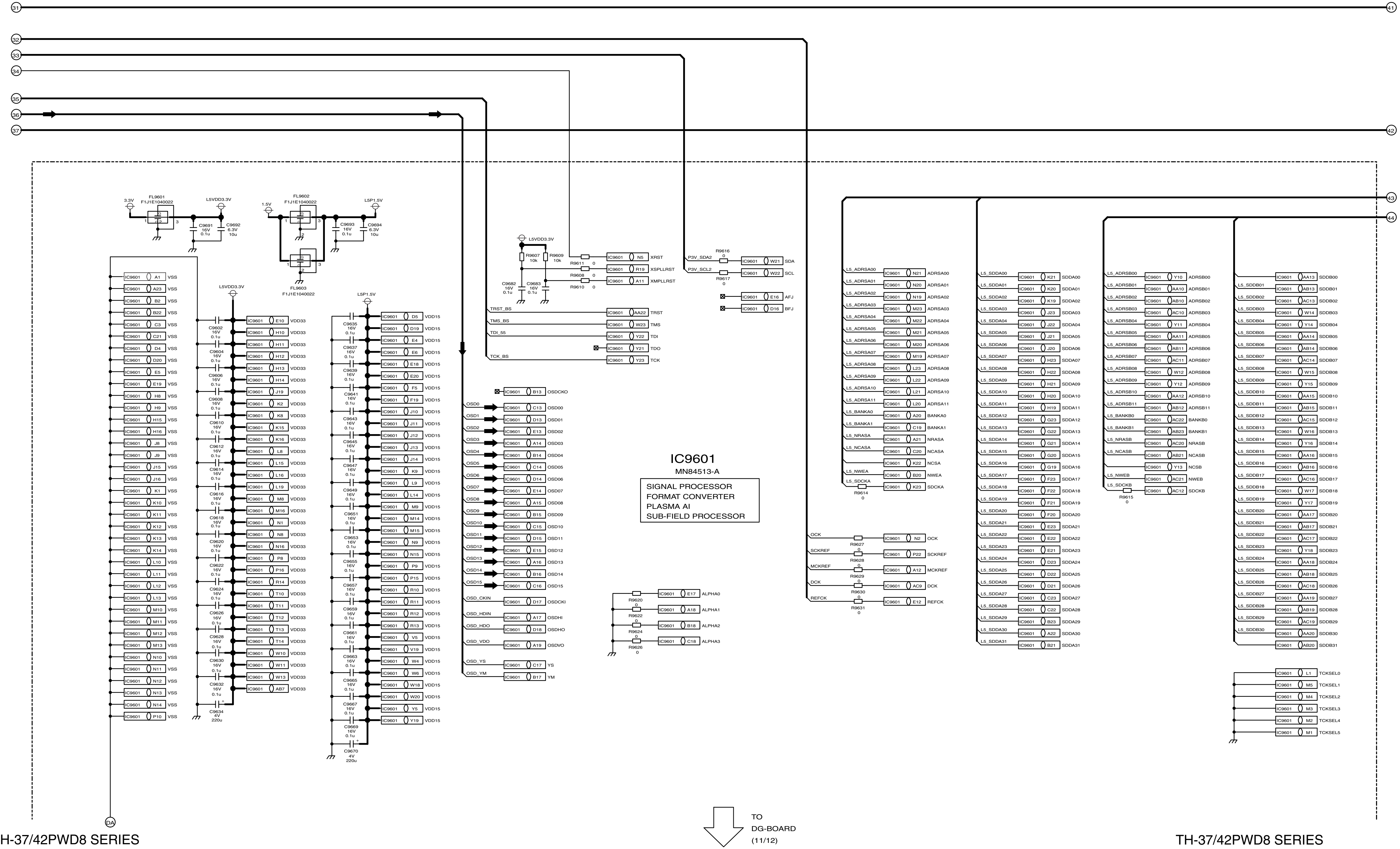
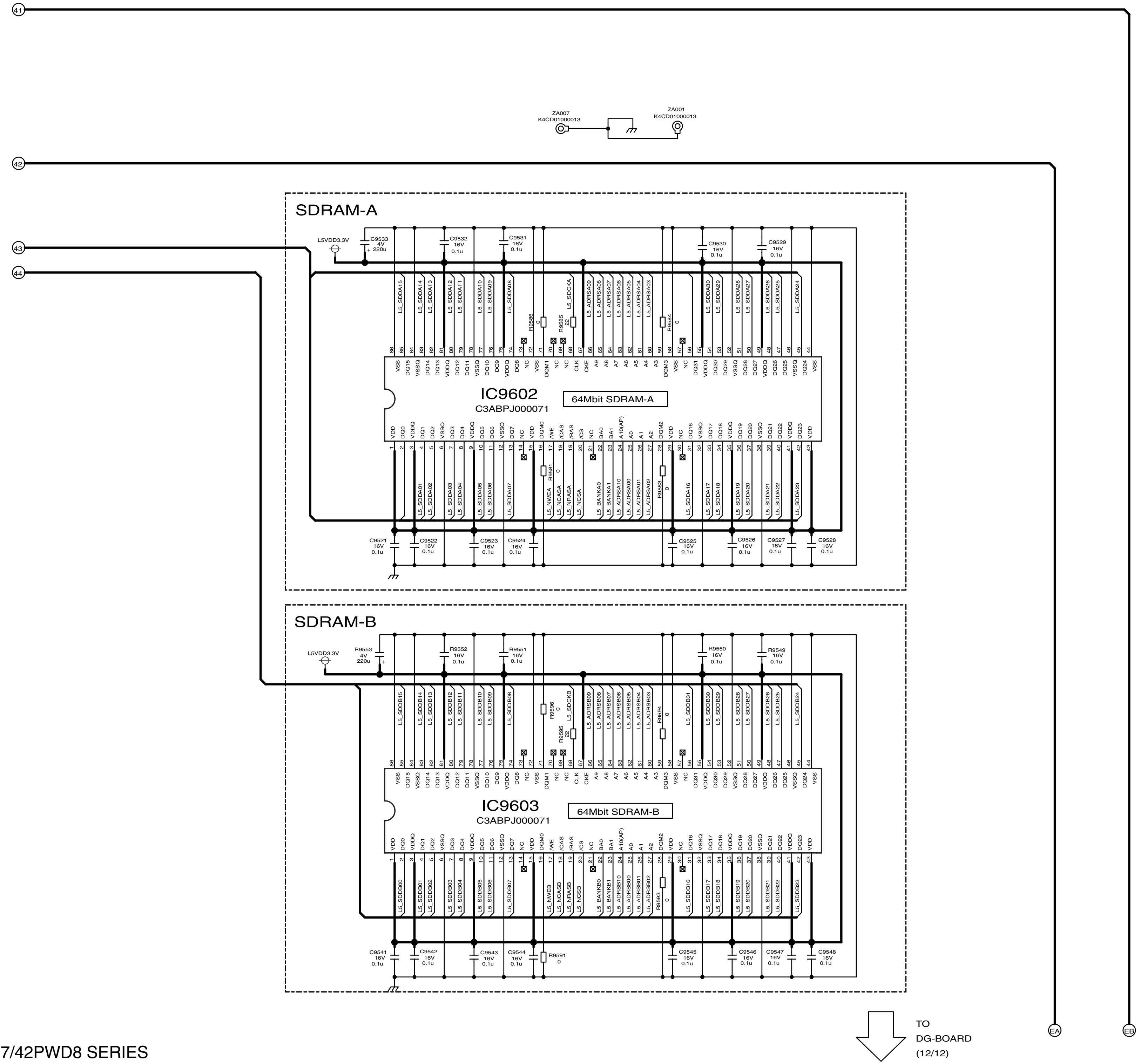
D-BOARD (5/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)


31
32
33
34
35
36
37
41
42
43
44
DA
FL9601
F1J1E1040022
FL9602
F1J1E1040022
FL9603
F1J1E1040022
3.3V
1.5V
L5VDD3.3V
L5P1.5V
C9691
C9692
C9693
C9694
C9634
4V
220u
C9670
4V
220u
IC9601
MN84513-A
SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
VSS
VDD33
VDD15
TRST_BS
TMS_BS
TDI_55
TCK_BS
TRST
TMS
TDI
TDO
TCK
XRST
XSPLLRST
XMPLLRST
P3V_SDA2
P3V_SCL2
SDA
SCL
AFJ
BFJ
R9607
10k
R9609
10k
R9611
R9608
R9610
R9616
R9617
OSD0
OSD15
OSDCKO
OSD_CKIN
OSD_HDIN
OSD_HDO
OSD_VDO
OSD_YS
OSD_YM
OSDCKI
OSDHI
OSDHO
OSDVO
YS
YM
ALPHA0
ALPHA1
ALPHA2
ALPHA3
R9620
R9622
R9624
R9626
OCK
SCKREF
MCKREF
DCK
REFCK
R9627
R9628
R9629
R9630
R9631
L5_ADRSA00
ADRSA00
ADRSA11
BANKA0
BANKA1
NRASA
NCASA
NCSA
NWEA
SDCKA
R9614
L5_SDDA00
SDDA00
SDDA31
L5_ADRSB00
ADRSB00
ADRSB11
BANKB0
BANKB1
NRASB
NCASB
NCSB
NWEB
SDCKB
R9615
L5_SDDB01
SDDB00
SDDB31
TCKSEL0
TCKSEL1
TCKSEL2
TCKSEL3
TCKSEL4
TCKSEL5
TO
DG-BOARD
(11/12)

TH-37/42PWD8 SERIES
D-Board (5 of 12) Schematic Diagram

TH-37/42PWD8 SERIES
D-Board (5 of 12) Schematic Diagram


41
42
43
44
ZA007
K4CD01000013
ZA001
K4CD01000013
SDRAM-A
L5VDD3.3V
C9533 4V 220u
C9532 16V 0.1u
C9531 16V 0.1u
C9530 16V 0.1u
C9529 16V 0.1u
IC9602
C3ABPJ000071
64Mbit SDRAM-A
C9521 16V 0.1u
C9522 16V 0.1u
C9523 16V 0.1u
C9524 16V 0.1u
C9525 16V 0.1u
C9526 16V 0.1u
C9527 16V 0.1u
C9528 16V 0.1u
SDRAM-B
L5VDD3.3V
R9553 4V 220u
R9552 16V 0.1u
R9551 16V 0.1u
R9550 16V 0.1u
R9549 16V 0.1u
IC9603
C3ABPJ000071
64Mbit SDRAM-B
C9541 16V 0.1u
C9542 16V 0.1u
C9543 16V 0.1u
C9544 16V 0.1u
R9591 0
C9545 16V 0.1u
C9546 16V 0.1u
C9547 16V 0.1u
C9548 16V 0.1u
TO
DG-BOARD
(12/12)
EA
EB

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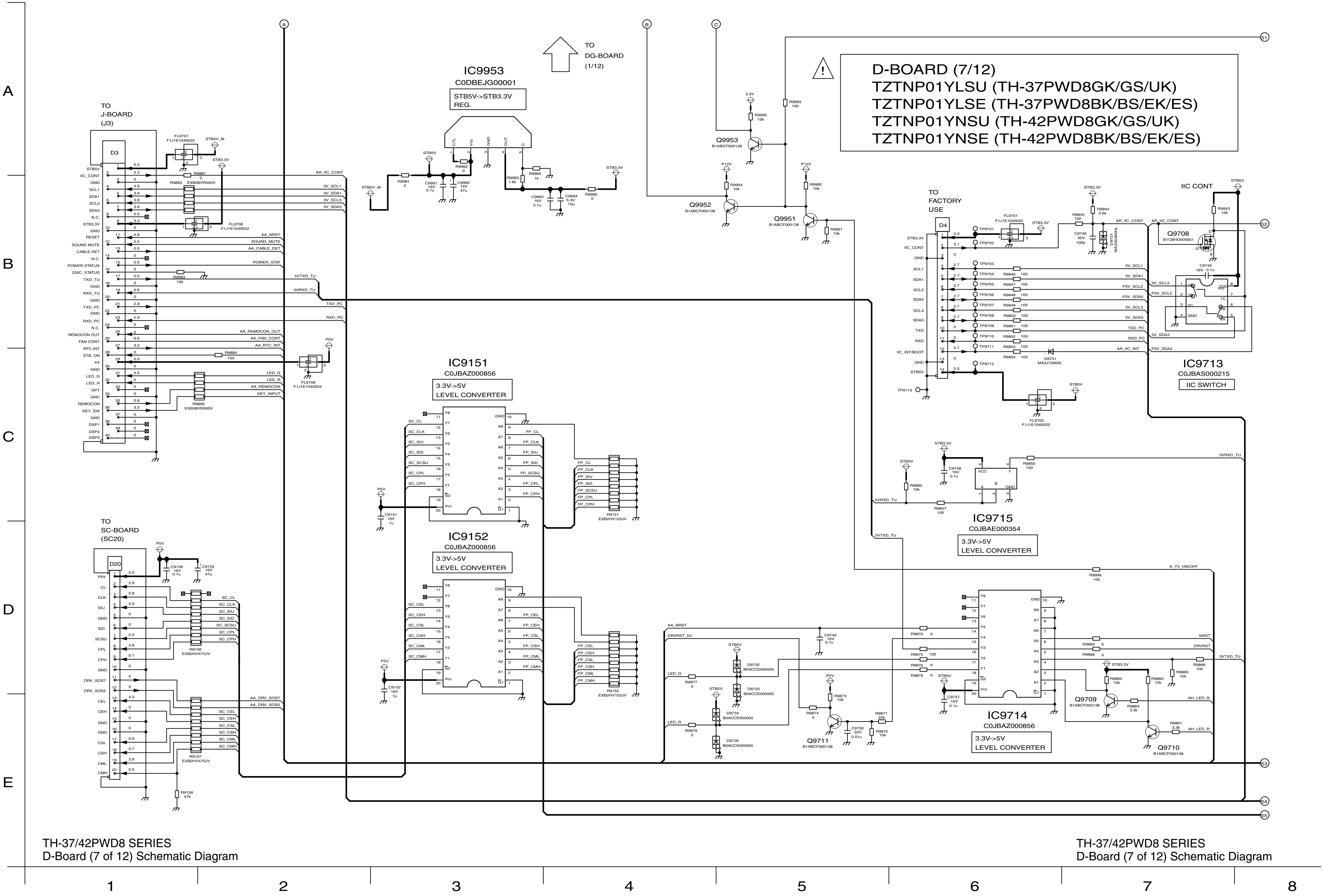
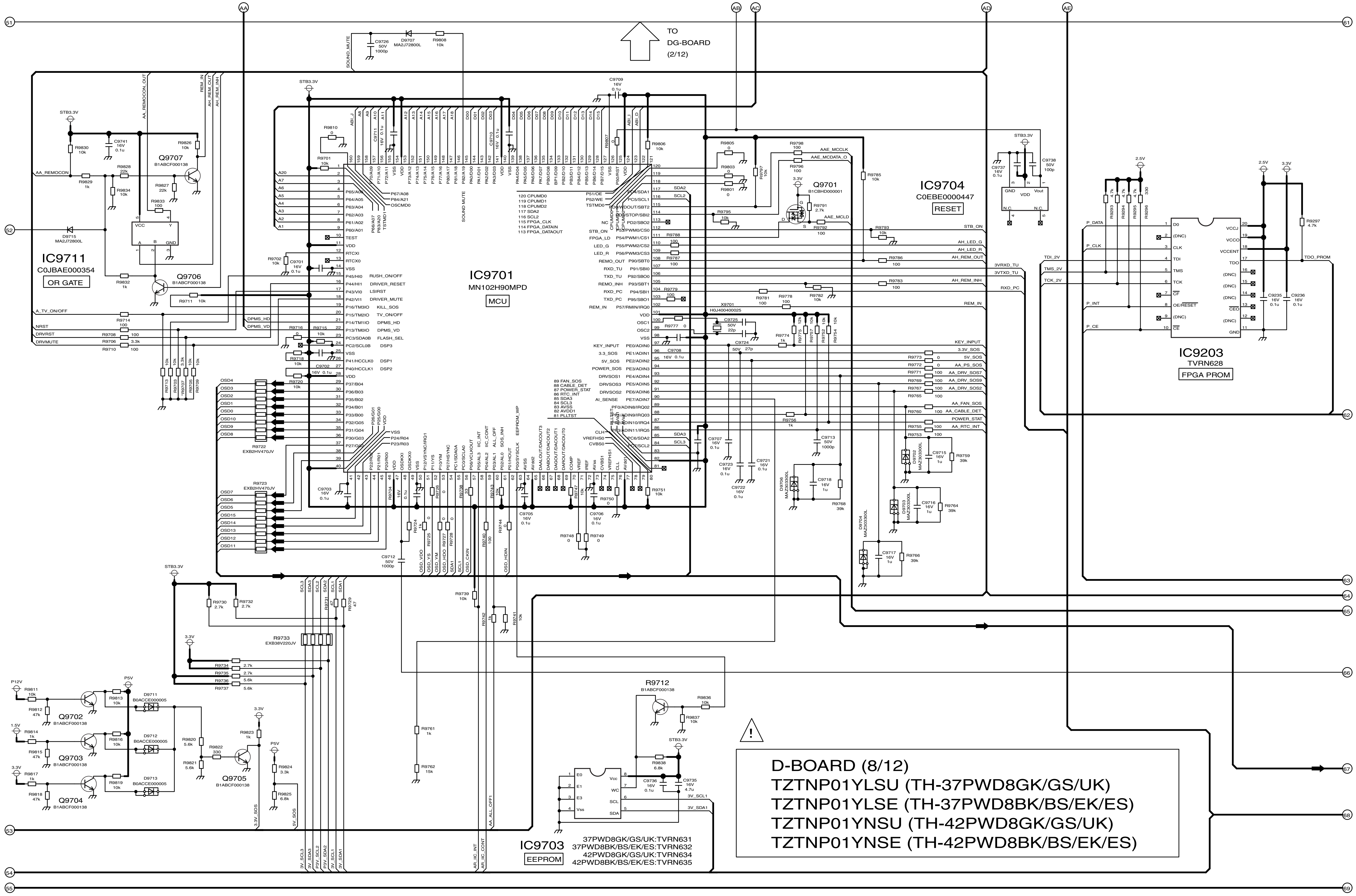
D-BOARD (6/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

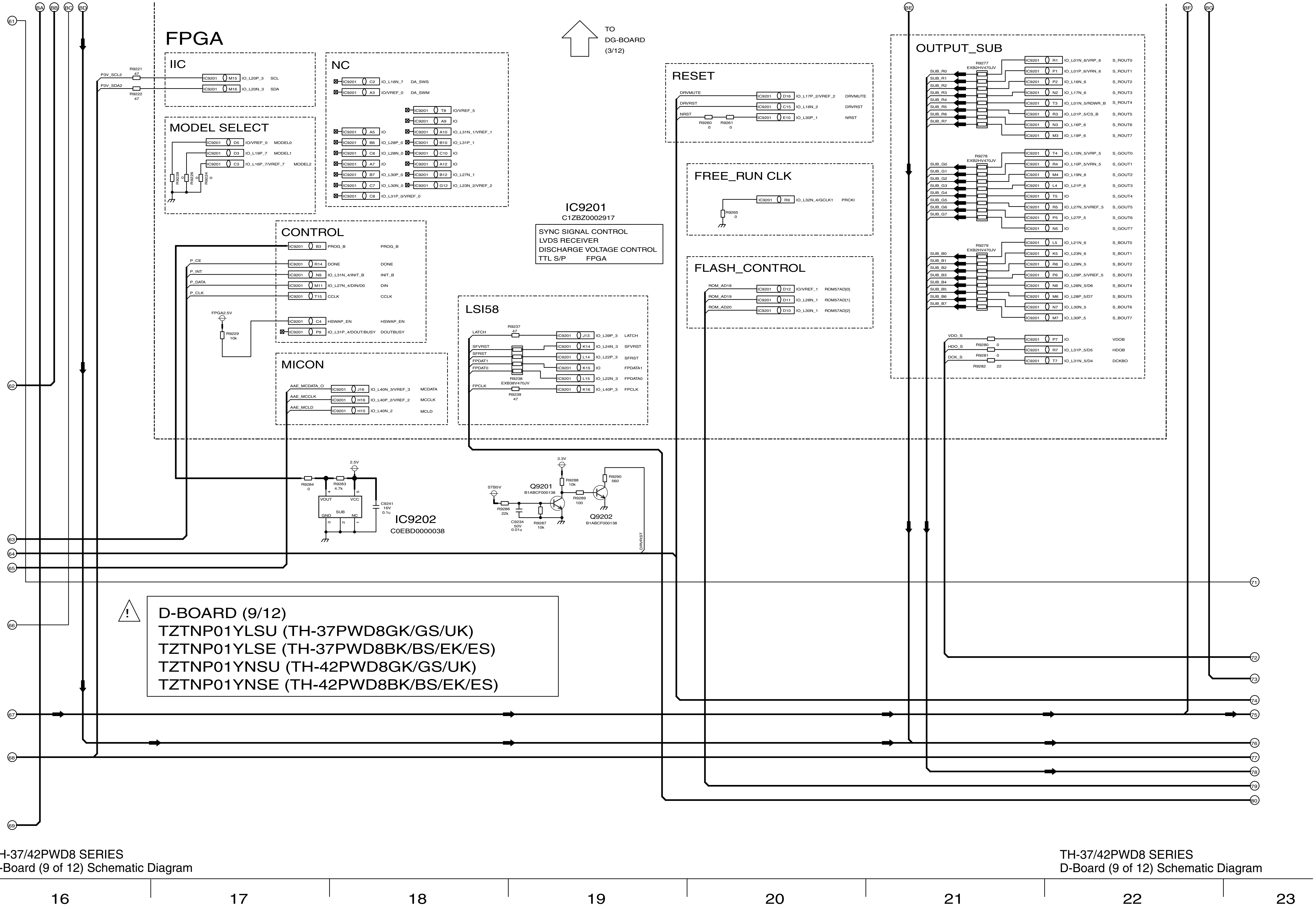

A
B
C
D
E
1
2
3
4
5
6
7
8
TO
DG-BOARD
(1/12)
IC9953
C0DBEJG00001
STB5V->STB3.3V
REG.
CTL
Vcc
GND
OUT
C
R9981
0
R9982
0
C9991
16V
0.1u
C9992
16V
47u
R9983
1.6k
R9984
1k
C9993
16V
0.1u
C9994
6.3V
10u
R9985
0
STB5V_M
STB5V
STB3.3V
TO
J-BOARD
(J3)
D3
FL9707
F1J1E1040022
FL9708
F1J1E1040022
FL9709
F1J1E1040022
R9881
0
R9882
EXB38VR000V
R9883
10k
R9884
100
R9885
EXB38VR000V
STB5V
IIC_CONT
GND
SCL1
SDA1
SCL3
SDA3
N.C.
STB3.3V
GND
RESET
SOUND MUTE
CABLE DET
N.C.
POWER STATUS
232C_STATUS
TXD_TU
GND
RXD_TU
GND
TXD_PC
GND
RXD_PC
N.C.
REMOCON OUT
FAN CONT
RTC INT
STB_ON
5V
GND
LED_G
LED_R
OPT
GND
REMOCON
KEY_SW
GND
DSP1
DSP2
DSP3
AR_IIC_CONT
3V_SCL1
3V_SDA1
3V_SCL3
3V_SDA3
AA_NRST
SOUND_MUTE
AA_CABLE_DET
POWER_STAT
5VTXD_TU
5VRXD_TU
TXD_PC
RXD_PC
AA_REMOCON_OUT
AA_FAN_CONT
AA_RTC_INT
LED_G
LED_R
AA_REMOCON
KEY_INPUT
P5V
TO
SC-BOARD
(SC20)
D20
C9156
16V
0.1u
C9155
16V
47u
P5V
CL
CLK
SIU
GND
SID
SCSU
CPL
CPH
GND
DRV_SOS7
DRV_SOS2
CEL
CEH
GND
GND
CSL
CSH
CML
CMH
R9156
EXB2HV470JV
R9157
EXB2HV470JV
R9158
47k
SC_CL
SC_CLK
SC_SIU
SC_SID
SC_SCSU
SC_CPL
SC_CPH
AA_DRV_SOS7
AA_DRV_SOS2
SC_CEL
SC_CEH
SC_CSL
SC_CSH
SC_CML
SC_CMH
IC9151
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
C9151
16V
1u
R9151
EXB2HV103JV
FP_CL
FP_CLK
FP_SIU
FP_SID
FP_SCSU
FP_CPL
FP_CPH
IC9152
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
C9152
16V
1u
R9152
EXB2HV103JV
FP_CEL
FP_CEH
FP_CSL
FP_CSH
FP_CML
FP_CMH
3.3V
R9995
10k
R9993
100
Q9953
B1ABCF000138
P12V
R9994
10k
Q9952
B1ABCF000138
R9992
10k
Q9951
B1ABCF000138
R9991
10k
TO
FACTORY
USE
D4
STB3.3V
IIC_CONT
GND
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
TXD
RXD
IIC_INT/BOOT
GND
STB5V
TP9701
TP9702
TP9703
TP9704
TP9705
TP9706
TP9707
TP9708
TP9709
TP9710
TP9711
TP9712
TP9713
FL9701
F1J1E1040022
FL9702
F1J1E1040022
R9846
R9847
R9848
R9849
R9850
R9851
R9852
R9853
R9854
100
D9731
MA2J72800L
R9845
100
C9746
50V
100p
D9721
MAZ8036OHL
R9844
5.6k
IIC CONT
R9843
10k
Q9708
B1CBHD000001
C9745
16V
0.1u
IC9713
C0JBAS000215
IIC SWITCH
3V_SCL2
P3V_SCL2
P3V_SDA2
P3V_SDA2
3V_SCL3
3V_SDA3
TXD_PC
RXD_PC
AR_IIC_INT
C9748
16V
0.1u
R9855
100
R9880
10k
R9857
100
IC9715
C0JBAE000354
3.3V->5V
LEVEL CONVERTER
3VRXD_TU
5VRXD_TU
5VTXD_TU
A_TV_ON/OFF
R9996
10k
AA_NRST
DRVRST_5V
C9749
16V
0.1u
D9732
B0ACCE000005
D9733
B0ACCE000005
D9734
B0ACCE000005
D9735
B0ACCE000005
LED_G
R9877
0
LED_R
R9879
0
R9873
10k
R9874
0
Q9711
B1ABCF000138
C9750
50V
0.01u
R9871
22k
R9872
10k
R9870
R9875
R9876
R9878
C9747
16V
0.1u
IC9714
C0JBAZ000856
3.3V->5V
LEVEL CONVERTER
NRST
DRVRST
3VTXD_TU
R9869
R9868
R9866
100
R9865
10k
R9863
10k
R9860
10k
R9864
3.3k
R9861
3.3k
Q9709
B1ABCF000138
Q9710
B1ABCF000138
AH_LED_G
AH_LED_R
(51)
(52)
(53)
(54)
(55)

D-BOARD (7/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

TH-37/42PWD8 SERIES
D-Board (7 of 12) Schematic Diagram

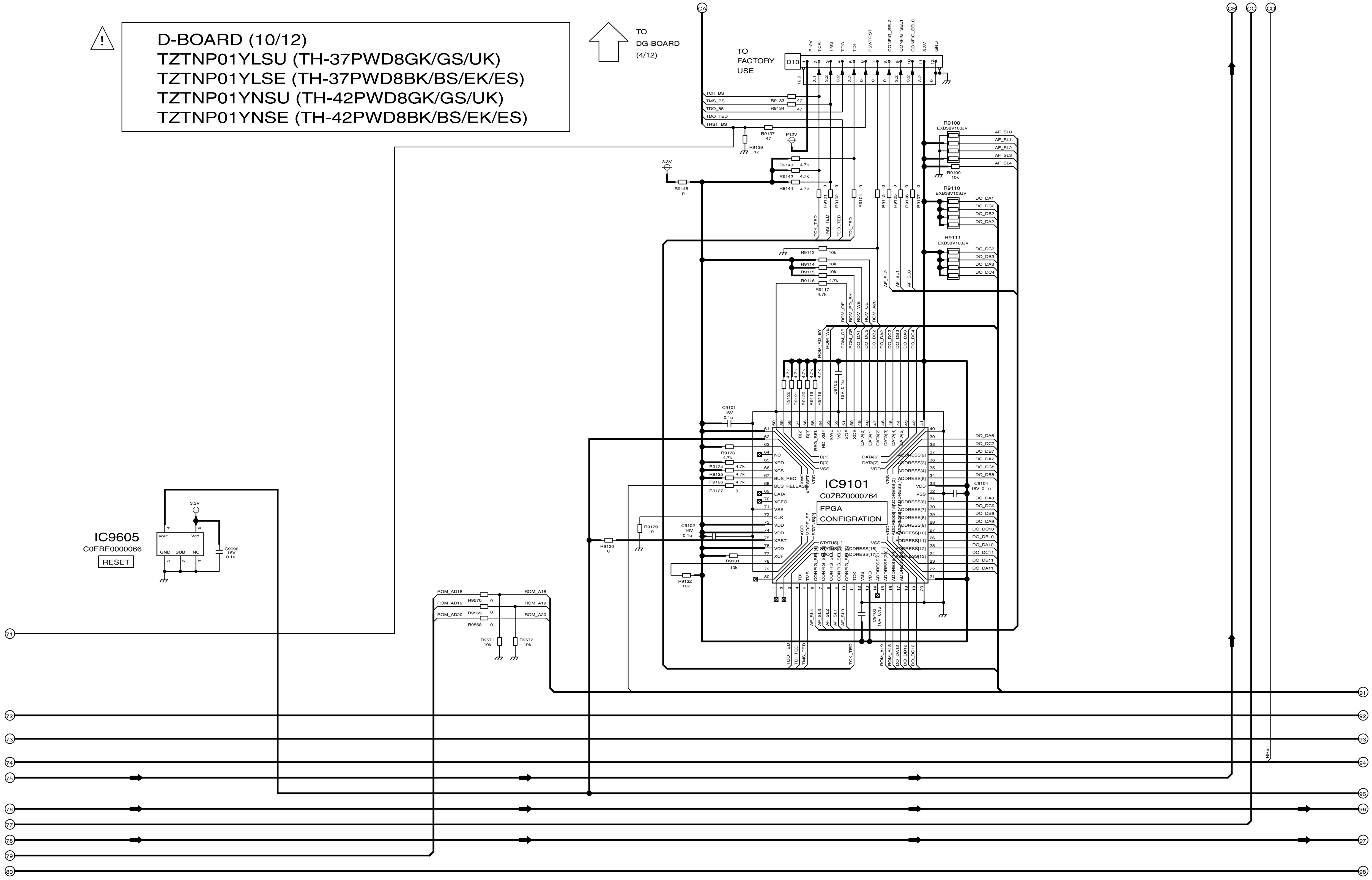
TH-37/42PWD8 SERIES
D-Board (7 of 12) Schematic Diagram


TO
DG-BOARD
(2/12)
IC9701
MN102H90MPD
MCU
IC9704
C0EBE0000447
RESET
IC9711
C0JBAE000354
OR GATE
IC9203
TVRN628
FPGA PROM
IC9703
EEPROM
37PWD8GK/GS/UK:TVRN631
37PWD8BK/BS/EK/ES:TVRN632
42PWD8GK/GS/UK:TVRN634
42PWD8BK/BS/EK/ES:TVRN635
Q9701
Q9702
Q9703
Q9704
Q9705
Q9706
Q9707
R9712
X9701
H0J400400025
STB3.3V
AA_REMOCON
A_TV_ON/OFF
NRST
DRVRST
DRVMUTE
DPMS_HD
DPMS_VD
OSD4
OSD3
OSD2
OSD1
OSD0
OSD10
OSD9
OSD8
OSD7
OSD6
OSD5
OSD15
OSD14
OSD13
OSD12
OSD11
SOUND_MUTE
STB_ON
AH_LED_G
AH_LED_R
AH_REM_OUT
AH_REM_INH
RXD_PC
REM_IN
3VRXD_TU
3VTXD_TU
KEY_INPUT
3.3V_SOS
5V_SOS
AA_PS_SOS
AA_DRV_SOS7
AA_DRV_SOS9
AA_DRV_SOS2
AA_FAN_SOS
AA_CABLE_DET
POWER_STAT
AA_RTC_INT
P_DATA
P_CLK
P_INT
P_CE
TDI_2V
TMS_2V
TCK_2V
TDO_PROM
AAE_MCCLK
AAE_MCDATA_O
AAE_MCLD
3V_SCL1
3V_SDA1
AA_ALL_OFF1
AR_IIC_INT
AR_IIC_CONT
D-BOARD (8/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)
AA
AB
AC
AD
AE
51
52
53
54
55
61
62
63
64
65
66
67
68
69

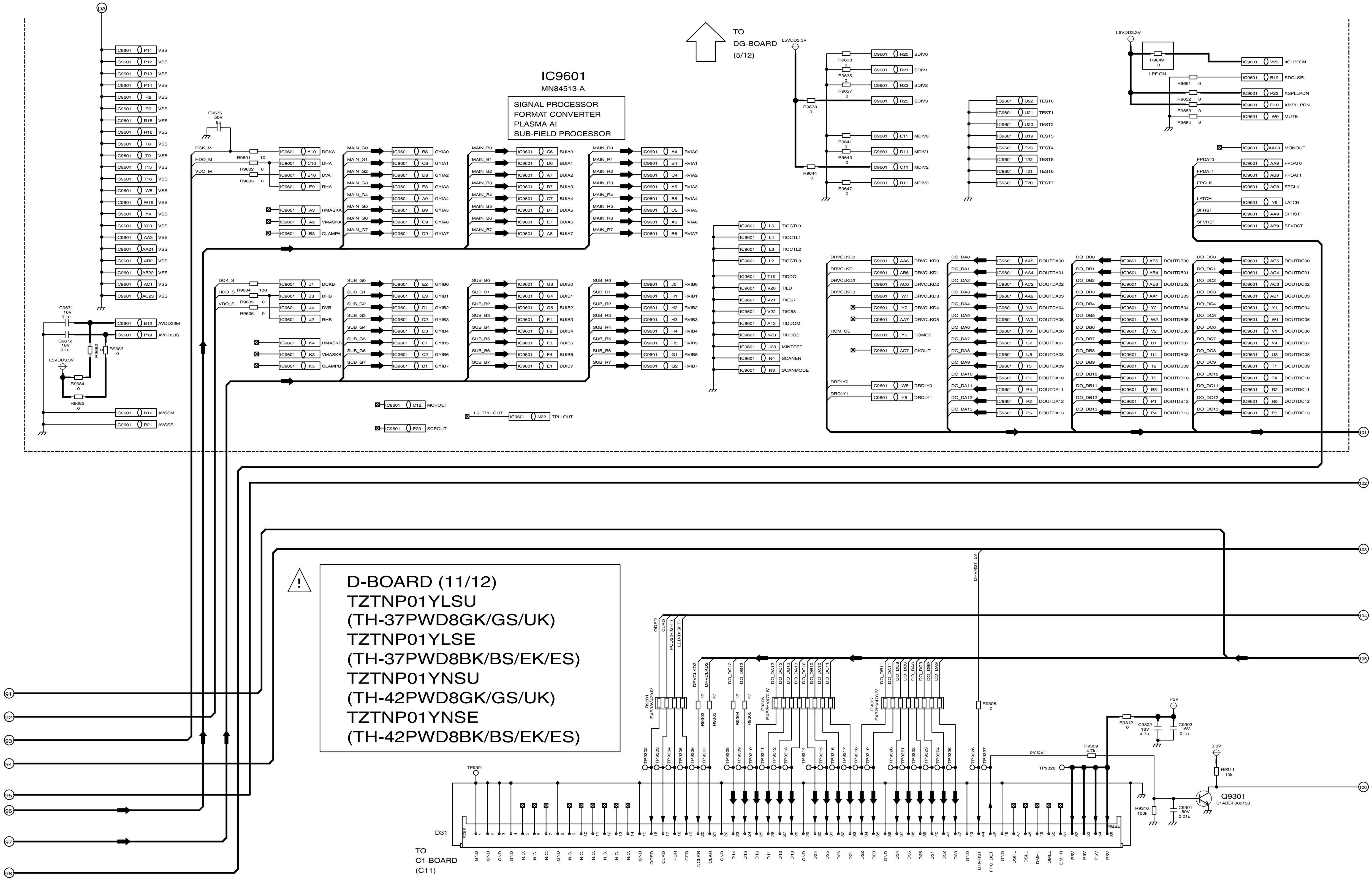

FPGA
TO DG-BOARD (3/12)
IIC
R9221 47
R9222 47
P3V_SCL2
P3V_SDA2
IC9201 M15 IO_L20P_3 SCL
IC9201 M16 IO_L20N_3 SDA
NC
IC9201 C2 IO_L16N_7 DA_SWS
IC9201 A3 IO/VREF_0 DA_SWM
MODEL SELECT
IC9201 D5 IO/VREF_0 MODEL0
IC9201 D3 IO_L19P_7 MODEL1
IC9201 C3 IO_L16P_7/VREF_7 MODEL2
R9228 0
R9226 0
R9224 0
CONTROL
IC9201 B3 PROG_B PROG_B
IC9201 R14 DONE DONE
IC9201 N9 IO_L31N_4/INIT_B INIT_B
IC9201 M11 IO_L27N_4/DIN/D0 DIN
IC9201 T15 CCLK CCLK
IC9201 C4 HSWAP_EN HSWAP_EN
IC9201 P9 IO_L31P_4/DOUT/BUSY DOUTBUSY
P_CE
P_INT
P_DATA
P_CLK
FPGA2.5V
R9229 10k
MICON
AAE_MCDATA_O
AAE_MCCLK
AAE_MCLD
IC9201 J16 IO_L40N_3/VREF_3 MCDATA
IC9201 H16 IO_L40P_2/VREF_2 MCCLK
IC9201 H15 IO_L40N_2 MCLD
IC9201
C1ZBZ0002917
SYNC SIGNAL CONTROL
LVDS RECEIVER
DISCHARGE VOLTAGE CONTROL
TTL S/P FPGA
LSI58
LATCH
SFVRST
SFRST
FPDAT1
FPDAT0
FPCLK
R9237 47
R9238 EXB38V470JV
R9239 47
IC9201 J13 IO_L39P_3 LATCH
IC9201 K14 IO_L24N_3 SFVRST
IC9201 L14 IO_L22P_3 SFRST
IC9201 K15 IO FPDATA1
IC9201 L15 IO_L22N_3 FPDATA0
IC9201 K16 IO_L40P_3 FPCLK
RESET
DRVMUTE
DRVRST
NRST
R9260 0
R9261 0
IC9201 D16 IO_L17P_2/VREF_2 DRVMUTE
IC9201 C15 IO_L16N_2 DRVRST
IC9201 E10 IO_L30P_1 NRST
FREE_RUN CLK
IC9201 R9 IO_L32N_4/GCLK1 PRCKI
R9265 0
FLASH_CONTROL
ROM_AD18
ROM_AD19
ROM_AD20
IC9201 D12 IO/VREF_1 ROM57AD[0]
IC9201 D11 IO_L28N_1 ROM57AD[1]
IC9201 D10 IO_L30N_1 ROM57AD[2]
OUTPUT_SUB
R9277 EXB2HV470JV
R9278 EXB2HV470JV
R9279 EXB2HV470JV
SUB_R0 SUB_R1 SUB_R2 SUB_R3 SUB_R4 SUB_R5 SUB_R6 SUB_R7
SUB_G0 SUB_G1 SUB_G2 SUB_G3 SUB_G4 SUB_G5 SUB_G6 SUB_G7
SUB_B0 SUB_B1 SUB_B2 SUB_B3 SUB_B4 SUB_B5 SUB_B6 SUB_B7
IC9201 R1 IO_L01N_6/VRP_6 S_ROUT0
IC9201 P1 IO_L01P_6/VRN_6 S_ROUT1
IC9201 P2 IO_L16N_6 S_ROUT2
IC9201 N2 IO_L17N_6 S_ROUT3
IC9201 T3 IO_L01N_5/RDWR_B S_ROUT4
IC9201 R3 IO_L01P_5/CS_B S_ROUT5
IC9201 N3 IO_L16P_6 S_ROUT6
IC9201 M3 IO_L19P_6 S_ROUT7
IC9201 T4 IO_L10N_5/VRP_5 S_GOUT0
IC9201 R4 IO_L10P_5/VRN_5 S_GOUT1
IC9201 M4 IO_L19N_6 S_GOUT2
IC9201 L4 IO_L21P_6 S_GOUT3
IC9201 T5 IO S_GOUT4
IC9201 R5 IO_L27N_5/VREF_5 S_GOUT5
IC9201 P5 IO_L27P_5 S_GOUT6
IC9201 N5 IO S_GOUT7
IC9201 L5 IO_L21N_6 S_BOUT0
IC9201 K5 IO_L23N_6 S_BOUT1
IC9201 R6 IO_L29N_5 S_BOUT2
IC9201 P6 IO_L29P_5/VREF_5 S_BOUT3
IC9201 N6 IO_L28N_5/D6 S_BOUT4
IC9201 M6 IO_L28P_5/D7 S_BOUT5
IC9201 N7 IO_L30N_5 S_BOUT6
IC9201 M7 IO_L30P_5 S_BOUT7
VDO_S
HDO_S
DCK_S
R9280 0
R9281 0
R9282 22
IC9201 P7 IO VDOB
IC9201 R7 IO_L31P_5/D5 HDOB
IC9201 T7 IO_L31N_5/D4 DCKBO
2.5V
R9284 0
R9283 4.7k
VOUT VCC
SUB
GND NC
C9241 16V 0.1u
IC9202
C0EBD0000038
3.3V
STB5V
Q9201
B1ABCF000138
R9288 10k
R9290 560
R9289 100
R9286 22k
C9234 50V 0.01u
R9287 10k
Q9202
B1ABCF000138
DRVRST
BA BB BC BD BE BF BG
61 62 63 64 65 66 67 68 69
71 72 73 74 75 76 77 78 79 80
16 17 18 19 20 21 22 23

D-BOARD (9/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)

⚠ D-BOARD (10/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)



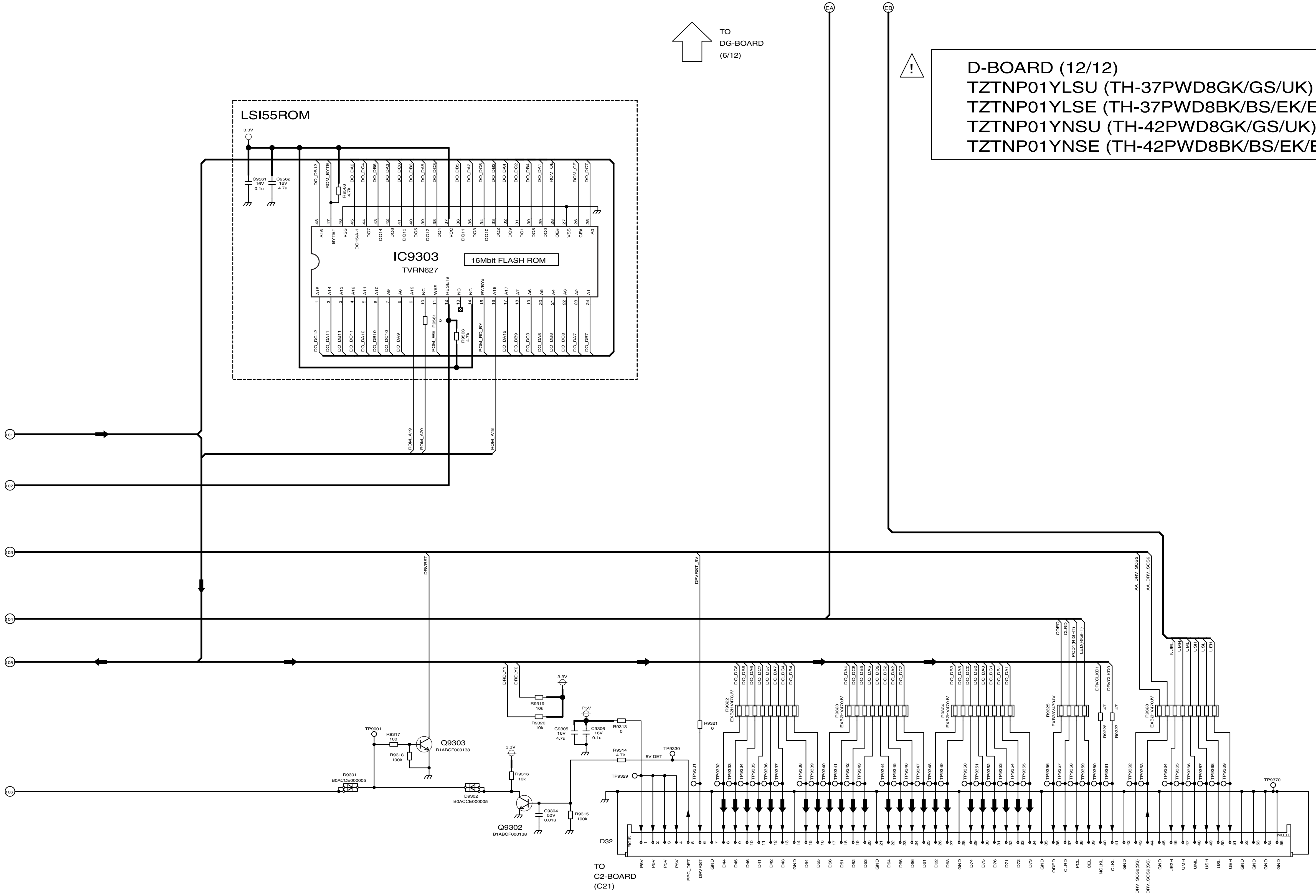
TO DG-BOARD (4/12)
TO FACTORY USE
D10
P12V
TCK
TMS
TDO
TDI
PSV/TRST
CONFIG_SEL2
CONFIG_SEL1
CONFIG_SEL0
3.3V
GND
CA
CB
CC
CD
TCK_BS
TMS_BS
TDO_55
TDO_TED
TRST_BS
R9133 47
R9134 47
R9137 47
R9139 1k
R9140 4.7k
R9142 4.7k
R9144 4.7k
R9145 0
3.3V
R9108 EXB38V103JV
AF_SL0
AF_SL1
AF_SL2
AF_SL3
AF_SL4
R9109 10k
R9110 EXB38V103JV
DO_DA1
DO_DC2
DO_DB2
DO_DA2
R9111 EXB38V103JV
DO_DC3
DO_DB3
DO_DA3
DO_DC4
R9113 10k
R9114 10k
R9115 10k
R9116 4.7k
R9117 4.7k
ROM_OE
ROM_RD_BY
ROM_WE
ROM_CE
ROM_A20
C9101 16V 0.1u
C9105 16V 0.1u
R9118
R9119
R9120
R9121
R9122
R9123 4.7k
R9124 4.7k
R9125 4.7k
R9126 4.7k
R9127 0
R9129 0
R9130 0
R9131 10k
R9132 10k
C9102 16V 0.1u
C9103 16V 0.1u
C9104 16V 0.1u
IC9101
C0ZBZ0000764
FPGA CONFIGRATION
DO_DA6
DO_DC7
DO_DB7
DO_DA7
DO_DC8
DO_DB8
DO_DA8
DO_DC9
DO_DB9
DO_DA9
DO_DC10
DO_DB10
DO_DA10
DO_DC11
DO_DB11
DO_DA11
TDO_TED
TDI_TED
TMS_TED
TCK_TED
ROM_A19
ROM_A18
DO_DA12
DO_DB12
DO_DC12
IC9605
C0EBE0000066
RESET
Vout
Vcc
GND
SUB
NC
C9696 16V 0.1u
ROM_AD18
ROM_AD19
ROM_AD20
ROM_A18
ROM_A19
ROM_A20
R9570 0
R9569 0
R9568 0
R9571 10k
R9572 10k
NRST
71
72
73
74
75
76
77
78
79
80
91
92
93
94
95
96
97
98



IC9601
MN84513-A
SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
TO
DG-BOARD
(5/12)
L5VDD3.3V
LPF ON
DA
D31
TO
C1-BOARD
(C11)
Q9301
B1ABCF000138
5V DET
P5V
3.3V

D-BOARD (11/12)
TZTNP01YLSU
(TH-37PWD8GK/GS/UK)
TZTNP01YLSE
(TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU
(TH-42PWD8GK/GS/UK)
TZTNP01YNSE
(TH-42PWD8BK/BS/EK/ES)

D-BOARD (12/12)
TZTNP01YLSU (TH-37PWD8GK/GS/UK)
TZTNP01YLSE (TH-37PWD8BK/BS/EK/ES)
TZTNP01YNSU (TH-42PWD8GK/GS/UK)
TZTNP01YNSE (TH-42PWD8BK/BS/EK/ES)



TO
DG-BOARD
(6/12)
EA
EB
LSI55ROM
3.3V
C9561 16V 0.1u
C9562 16V 4.7u
R9556 4.7k
IC9303
TVRN627
16Mbit FLASH ROM
R9561 0
R9563 4.7k
ROM_A19
ROM_A20
ROM_A18
DRVRST
DRVRST_5V
AA_DRV_SOS2
AA_DRV_SOS9
101
102
103
104
105
106
TP9001
R9317 100
R9318 100k
Q9303
B1ABCF000138
D9301
B0ACCE000005
D9302
B0ACCE000005
DRDLY1
DRDLY0
3.3V
R9319 10k
R9320 10k
P5V
C9305 16V 4.7u
C9306 16V 0.1u
R9313 0
R9314 4.7k
5V DET
TP9330
TP9329
3.3V
R9316 10k
Q9302
B1ABCF000138
C9304 50V 0.01u
R9315 100k
R9321 0
R9322 EXB2HV470JV
R9323 EXB2HV470JV
R9324 EXB2HV470JV
R9325 EXB38V470JV
R9326 47
R9327 47
R9328 EXB2HV470JV
ODED
CLRD
PCD1(RIGHT)
LED(RIGHT)
DRVCLKD1
DRVCLKD0
TP9370
D32
TO
C2-BOARD
(C21)
P5V
FPC_DET
DRVRST
GND

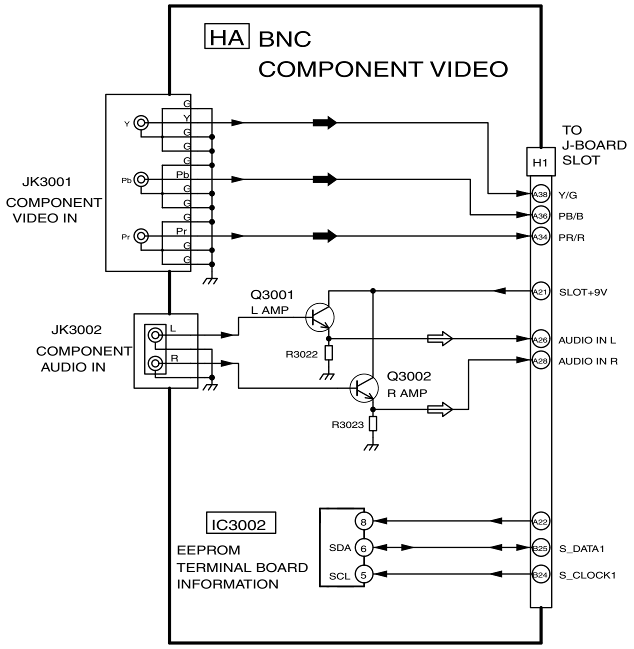
A

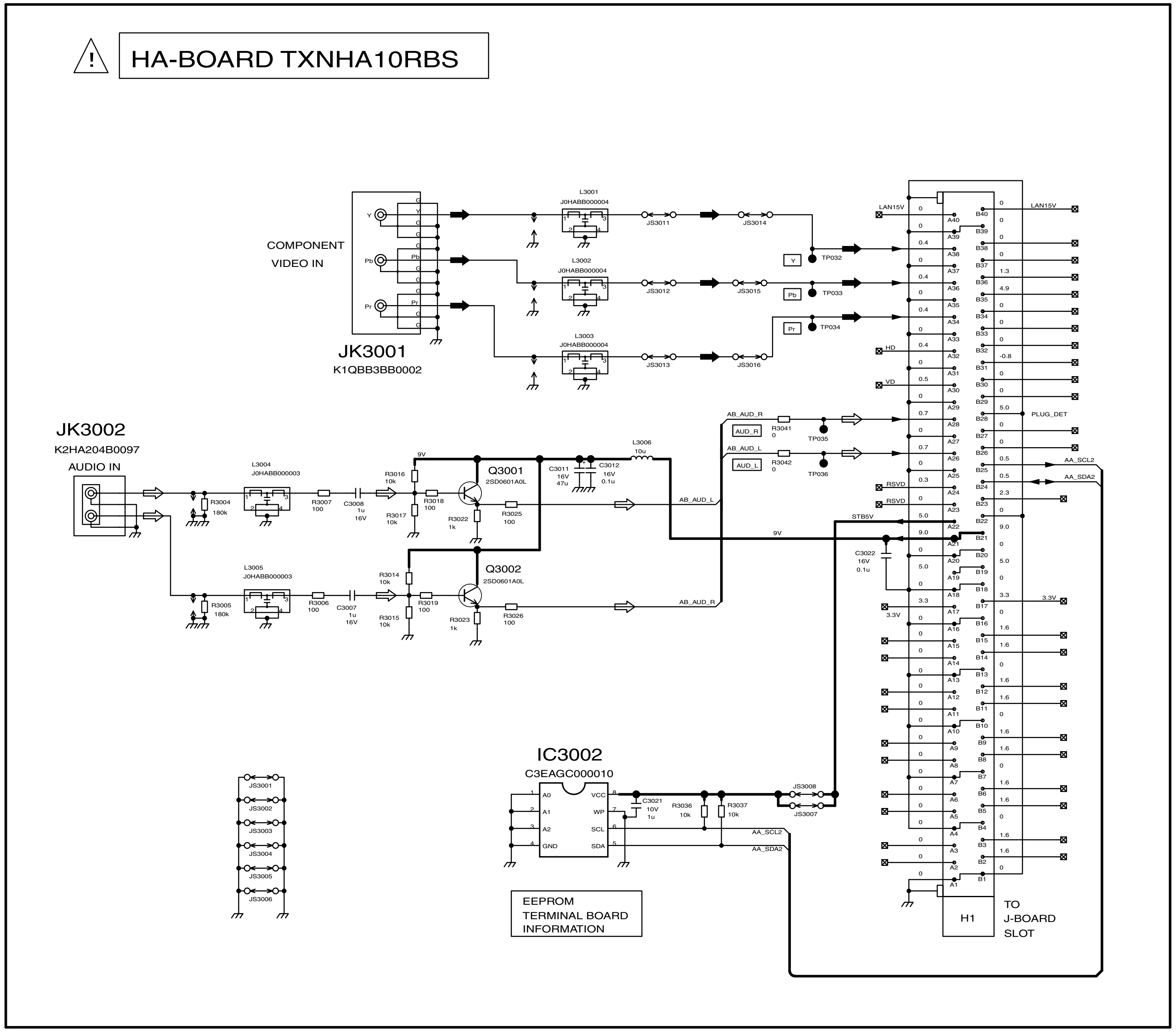
B

C

D

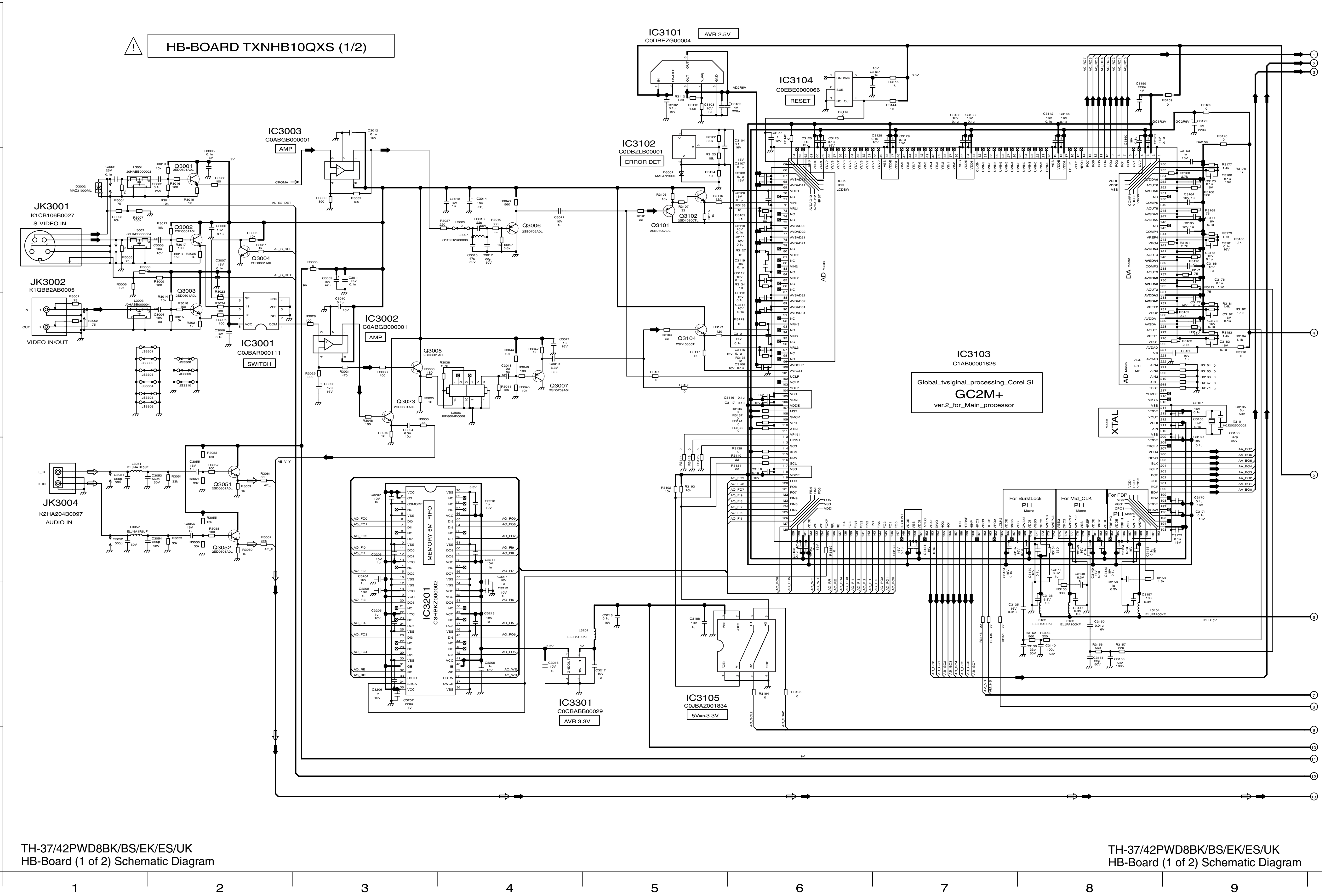
E


HA BNC
COMPONENT VIDEO
JK3001
COMPONENT
VIDEO IN
Y
Pb
Pr
G
TO
J-BOARD
SLOT
H1
A38 Y/G
A36 PB/B
A34 PR/R
A21 SLOT+9V
A26 AUDIO IN L
A28 AUDIO IN R
Q3001
L AMP
R3022
Q3002
R AMP
R3023
JK3002
COMPONENT
AUDIO IN
L
R
IC3002
EEPROM
TERMINAL BOARD
INFORMATION
SDA
SCL
8
6
5
A22
B25 S_DATA1
B24 S_CLOCK1


HA-BOARD TXNHA10RBS
COMPONENT
VIDEO IN
JK3001
K1QBB3BB0002
L3001
J0HABB000004
L3002
J0HABB000004
L3003
J0HABB000004
JS3011
JS3012
JS3013
JS3014
JS3015
JS3016
TP032
TP033
TP034
Y
Pb
Pr
JK3002
K2HA204B0097
AUDIO IN
L3004
J0HABB000003
L3005
J0HABB000003
R3004 180k
R3005 180k
R3007 100
R3006 100
C3008 1u 16V
C3007 1u 16V
R3016 10k
R3017 10k
R3014 10k
R3015 10k
R3018 100
R3019 100
R3022 1k
R3023 1k
R3025 100
R3026 100
Q3001
2SD0601A0L
Q3002
2SD0601A0L
9V
C3011 16V 47u
C3012 16V 0.1u
L3006 10u
AB_AUD_L
AB_AUD_R
AUD_R
AUD_L
R3041 0
R3042 0
TP035
TP036
C3022 16V 0.1u
STB5V
LAN15V
HD
VD
RSVD
3.3V
PLUG_DET
AA_SCL2
AA_SDA2
IC3002
C3EAGC000010
A0
A1
A2
GND
VCC
WP
SCL
SDA
C3021 10V 1u
R3036 10k
R3037 10k
JS3008
JS3007
EEPROM
TERMINAL BOARD
INFORMATION
JS3001
JS3002
JS3003
JS3004
JS3005
JS3006
H1
TO
J-BOARD
SLOT

1 2 3 4 5 6 7 8

HB-BOARD TXNHB10QXS (1/2)

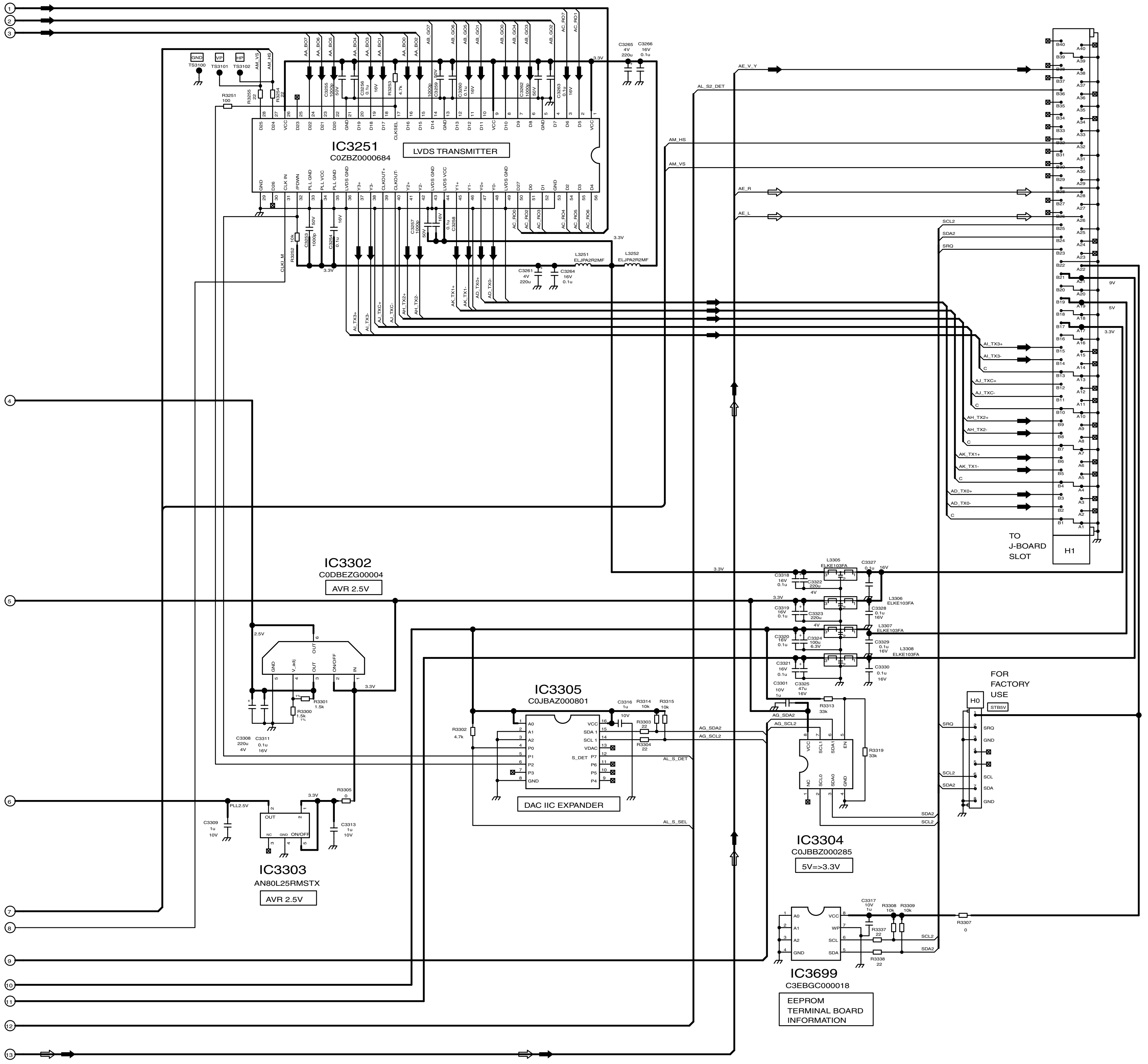


IC3101
C0DBEZG00004
AVR 2.5V
IC3104
C0EBE0000066
RESET
IC3102
C0DBZLB00001
ERROR DET
IC3003
C0ABGB000001
AMP
IC3002
C0ABGB000001
AMP
IC3001
C0JBAR000111
SWITCH
IC3103
C1AB00001826
Global_tvsiginal_processing_CoreLSI
GC2M+
ver.2_for_Main_processor
IC3201
C3HBKZ000002
MEMORY 5M_FIFO
IC3301
C0CBABB00029
AVR 3.3V
IC3105
C0JBAZ001834
5V=>3.3V
JK3001
K1CB106B0027
S-VIDEO IN
JK3002
K1QBB2AB0005
VIDEO IN/OUT
JK3004
K2HA204B0097
AUDIO IN
Q3001
Q3002
Q3003
Q3004
Q3005
Q3006
Q3007
Q3023
Q3051
Q3052
Q3101
Q3102
Q3104
XTAL
X3101
For BurstLock PLL
For Mid_CLK PLL
For FBP PLL
AD
DA
CROMA
AL_S2_DET
AL_SEL
AL_S_DET
AE_V_Y
AE_L
AE_R
9V
3.3V
AD2.5V
DA2.5V
PLL2.5V
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (1 of 2) Schematic Diagram

TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (1 of 2) Schematic Diagram

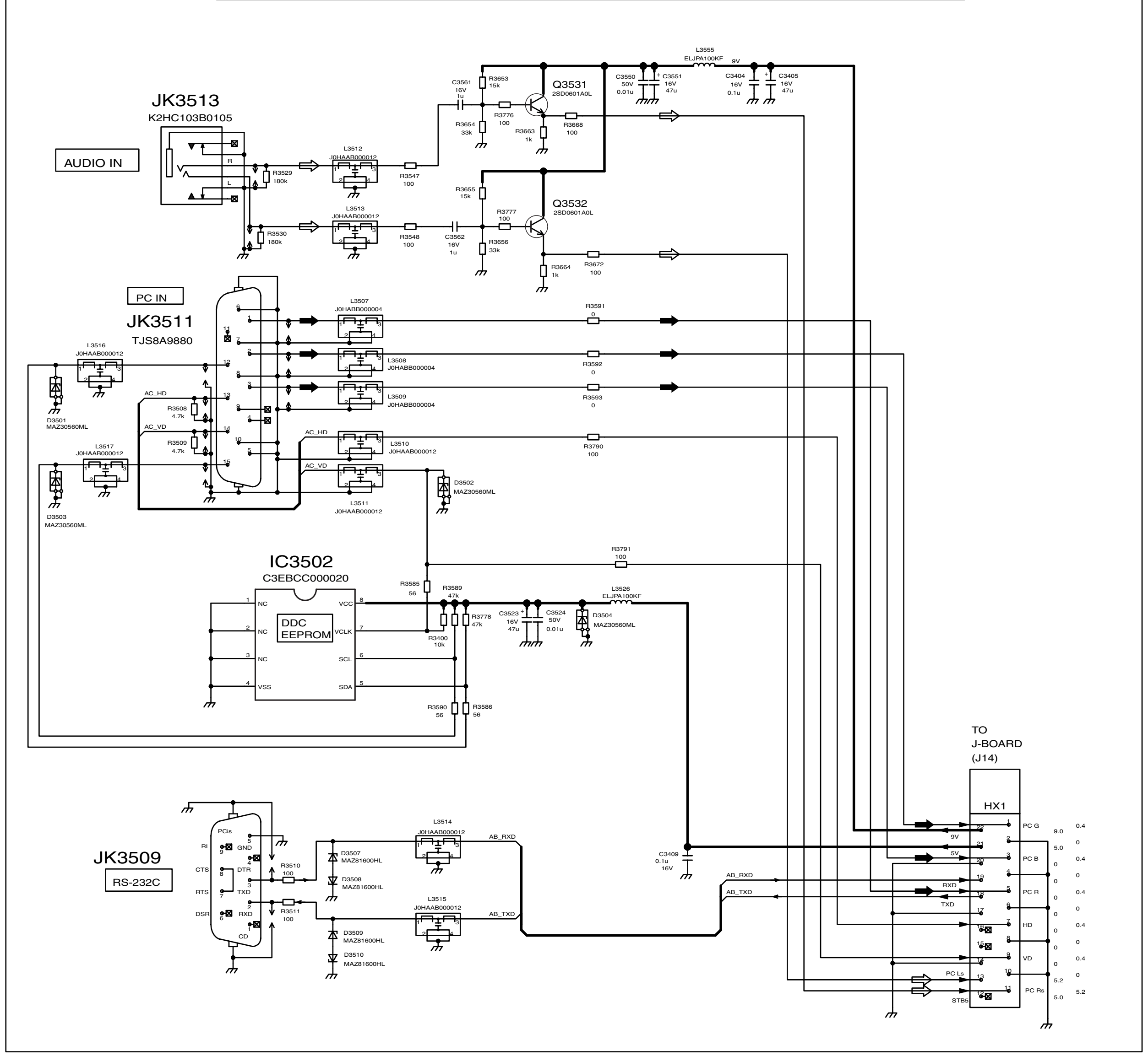
HB-BOARD TXNHB10QXS (2/2)


IC3251
C0ZBZ0000684
LVDS TRANSMITTER
TO
J-BOARD
SLOT
H1
IC3302
C0DBEZG00004
AVR 2.5V
IC3305
C0JBAZ000801
DAC IIC EXPANDER
IC3303
AN80L25RMSTX
AVR 2.5V
IC3304
C0JBBZ000285
5V=>3.3V
FOR
FACTORY
USE
H0
IC3699
C3EBGC000018
EEPROM
TERMINAL BOARD
INFORMATION

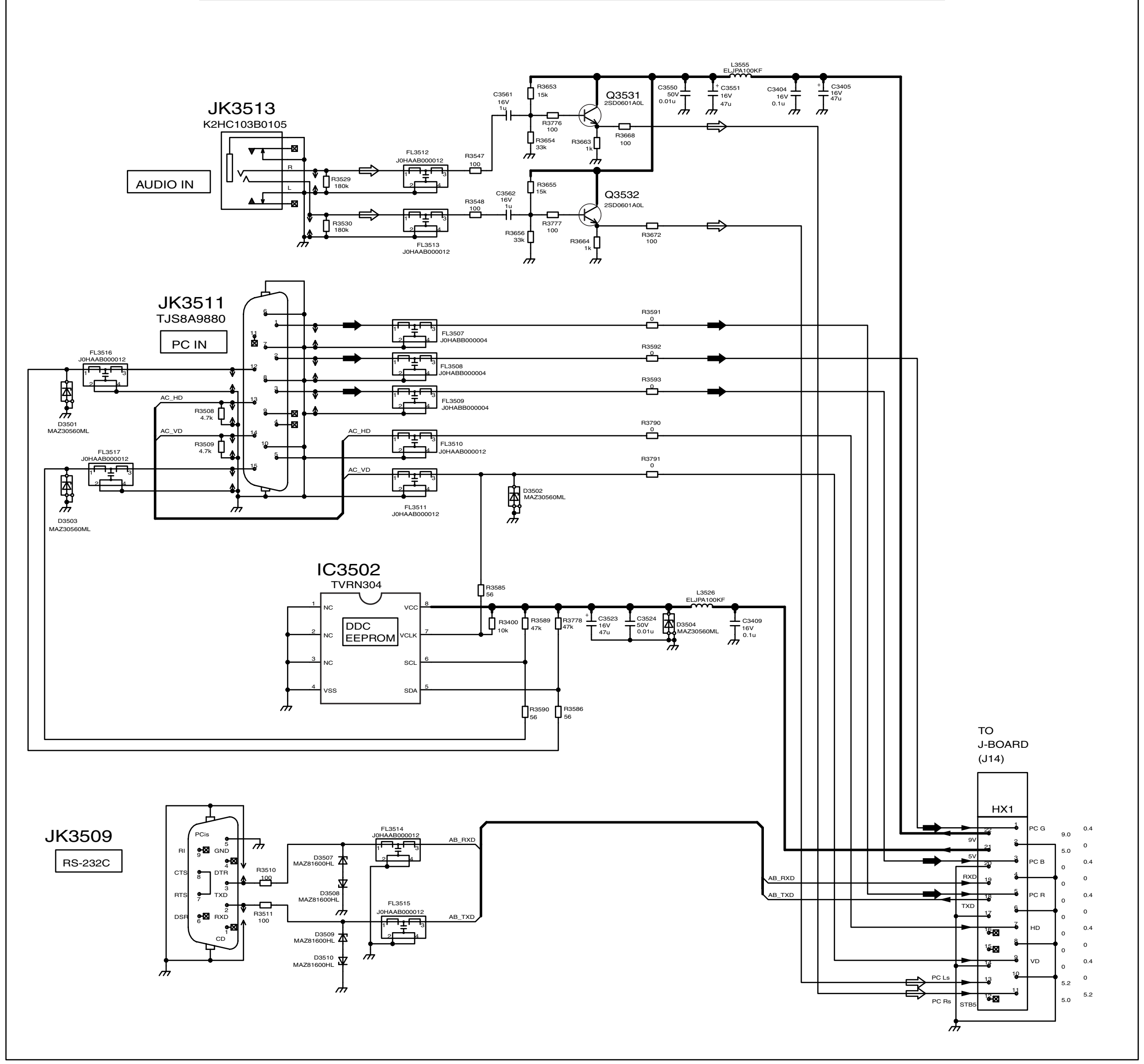
TH-37/42PWD8BK/BS/EK/ES/UK
HB-Board (2 of 2) Schematic Diagram

10 11 12 13 14 15 16 17 18

HX-BOARD TZTNP020YLS (FOR 37 INCH MODELS)


JK3513
K2HC103B0105
AUDIO IN
Q3531
2SD0601A0L
Q3532
2SD0601A0L
L3555
ELJPA100KF
9V
PC IN
JK3511
TJS8A9880
AC_HD
AC_VD
IC3502
C3EBCC000020
DDC
EEPROM
NC
VSS
VCC
VCLK
SCL
SDA
L3526
ELJPA100KF
JK3509
RS-232C
AB_RXD
AB_TXD
TO
J-BOARD
(J14)
HX1
PC G
PC B
PC R
HD
VD
PC Ls
PC Rs
STBS
9V
5V
RXD
TXD

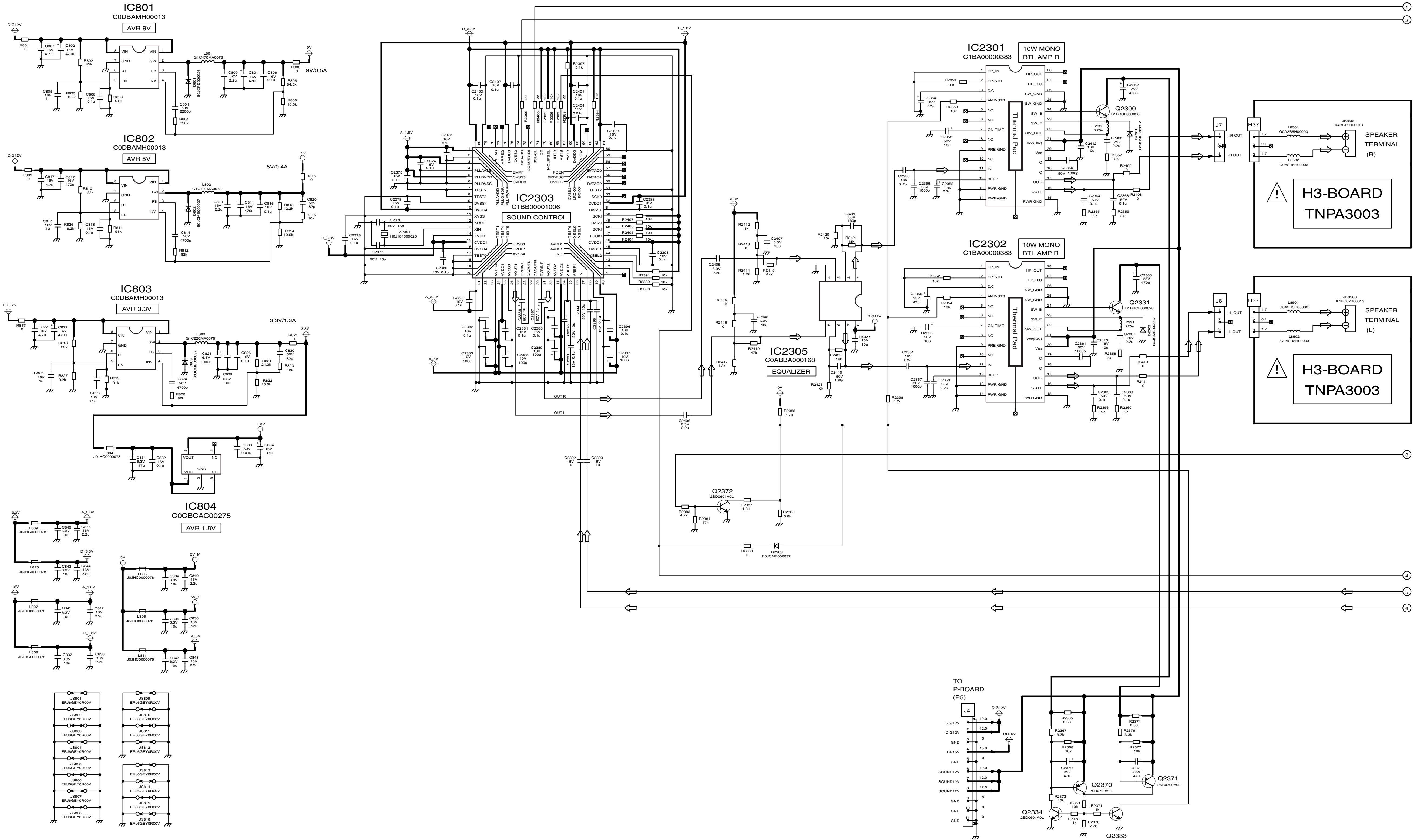
HX-BOARD TZTNP020YNS (FOR 42 INCH MODELS)


JK3513
K2HC103B0105
AUDIO IN
Q3531
2SD0601A0L
Q3532
2SD0601A0L
L3555
ELJPA100KF
JK3511
TJS8A9880
PC IN
AC_HD
AC_VD
IC3502
TVRN304
DDC
EEPROM
NC
VSS
VCC
VCLK
SCL
SDA
L3526
ELJPA100KF
JK3509
RS-232C
AB_RXD
AB_TXD
TO
J-BOARD
(J14)
HX1
PC G
PC B
PC R
HD
VD
PC Ls
PC Rs
STBS
9V
5V
RXD
TXD

TH-37/42PWD8 SERIES
HX-Board Schematic Diagram

TH-37/42PWD8 SERIES
HX-Board Schematic Diagram

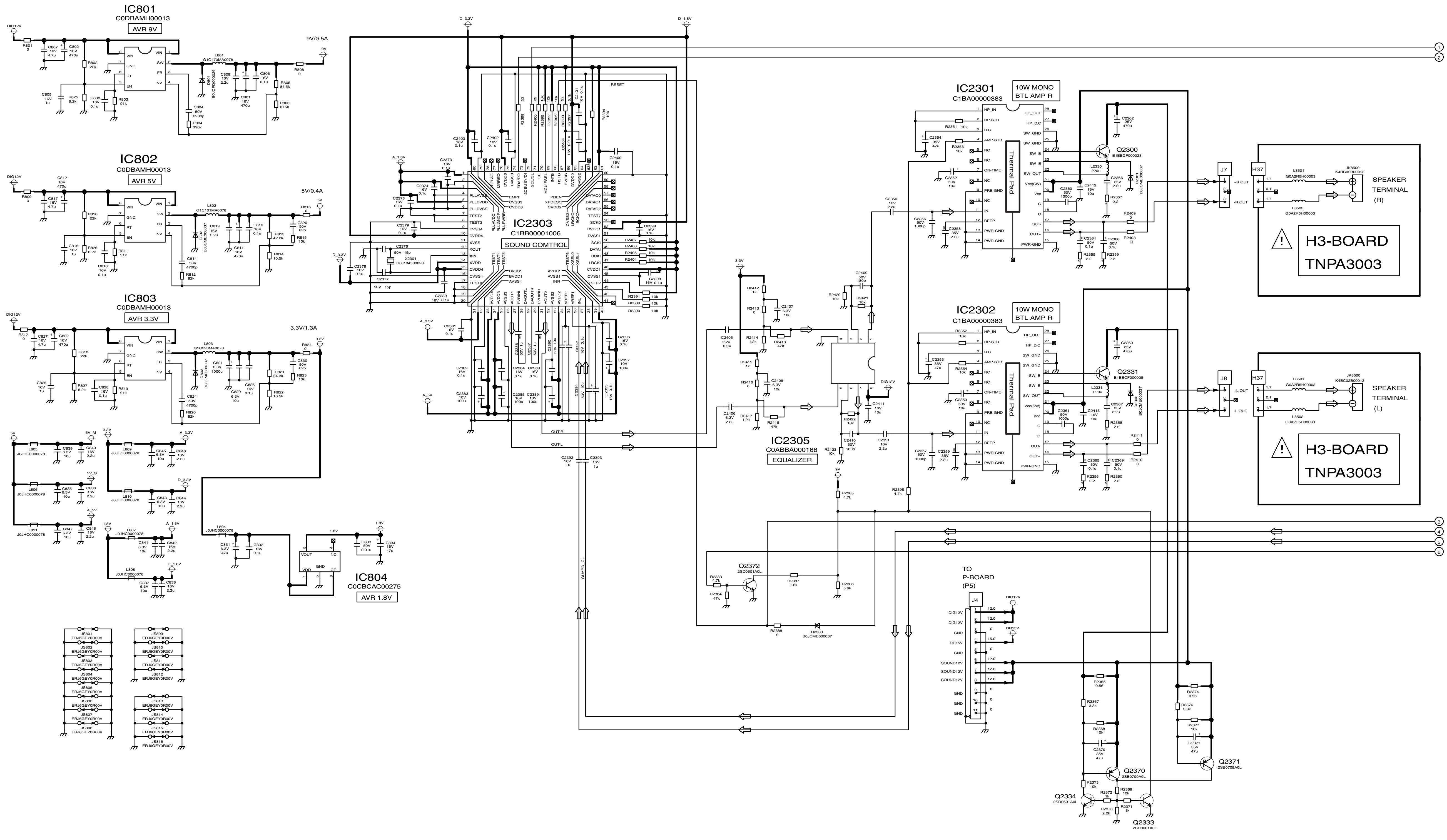
⚠ J-BOARD TNPA3631AB (1/4)


IC801
C0DBAMH00013
AVR 9V
9V/0.5A
IC802
C0DBAMH00013
AVR 5V
5V/0.4A
IC803
C0DBAMH00013
AVR 3.3V
3.3V/1.3A
IC804
C0CBCAC00275
AVR 1.8V
IC2303
C1BB00001006
SOUND CONTROL
IC2301
C1BA00000383
10W MONO
BTL AMP R
IC2302
C1BA00000383
10W MONO
BTL AMP R
IC2305
C0ABBA000168
EQUALIZER
Thermal Pad
Q2300
Q2331
Q2372
Q2370
Q2371
Q2334
Q2333
J7
J8
H37
SPEAKER
TERMINAL
(R)
(L)
⚠ H3-BOARD
TNPA3003
TO
P-BOARD
(P5)
J4
DIG12V
GND
DR15V
SOUND12V
OUT-R
OUT-L
D_3.3V
D_1.8V
A_1.8V
A_3.3V
A_5V
5V_M
5V_S
DIG12V
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

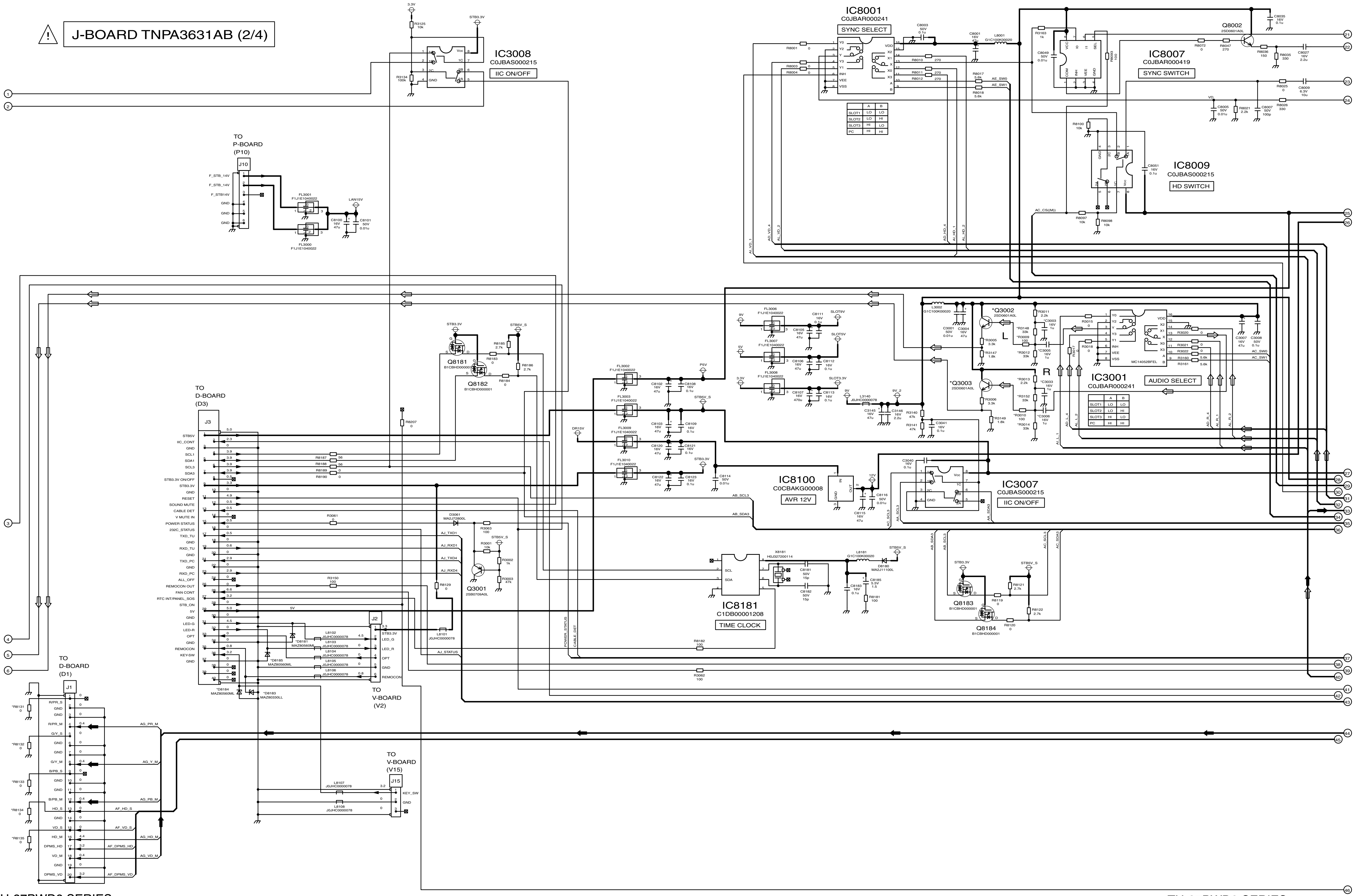
TH-37PWD8 SERIES
J-Board (1 of 4) and H3-Board Schematic Diagram

TH-37PWD8 SERIES
J-Board (1 of 4) and H3-Board Schematic Diagram

J-BOARD TNPA3630AB (1/4)


IC801
C0DBAMH00013
AVR 9V
9V/0.5A
IC802
C0DBAMH00013
AVR 5V
5V/0.4A
IC803
C0DBAMH00013
AVR 3.3V
3.3V/1.3A
IC804
C0CBCAC00275
AVR 1.8V
VIN
SW
GND
FB
RT
INV
EN
VOUT
NC
VDD
CE
IC2303
C1BB00001006
SOUND COMTROL
RESET
X2301
H0J184500020
OUT-R
OUT-L
GUARD_CL
IC2305
C0ABBA000168
EQUALIZER
IC2301
C1BA00000383
10W MONO
BTL AMP R
IC2302
C1BA00000383
10W MONO
BTL AMP R
Thermal Pad
HP_IN
HP-STB
D.C
AMP-STB
NC
ON-TIME
PRE-GND
IN
BEEP
PWR-GND
HP_OUT
HP_D.C
SW_GND
SW_B
SW_E
SW_OUT
Vcc(SW)
Vcc
C
OUT-
OUT+
Q2300
B1BBCF000028
Q2331
B1BBCF000028
J7
J8
H37
+R OUT
-R OUT
+L OUT
-L OUT
JK8500
K4BC02B00013
SPEAKER
TERMINAL
(R)
(L)
H3-BOARD
TNPA3003
Q2372
2SD0601A0L
D2303
B0JCME000037
TO
P-BOARD
(P5)
J4
DIG12V
GND
DR15V
SOUND12V
Q2370
2SB0709A0L
Q2371
2SB0709A0L
Q2334
2SD0601A0L
Q2333
2SD0601A0L
JS801
JS802
JS803
JS804
JS805
JS806
JS807
JS808
JS809
JS810
JS811
JS812
JS813
JS814
JS815
JS816
ERJ6GEY0R00V
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

⚠ J-BOARD TNPA3631AB (2/4)


IC3008
C0JBAS000215
IIC ON/OFF
IC8001
C0JBAR000241
SYNC SELECT
IC8007
C0JBAR000419
SYNC SWITCH
IC8009
C0JBAS000215
HD SWITCH
Q8002
2SD0601A0L
TO P-BOARD (P10)
J10
F_STB_14V
F_STB_14V
F_STB14V
GND
GND
GND
FL3001
F1J1E1040022
FL3000
F1J1E1040022
LAN15V
TO D-BOARD (D3)
J3
STB5V
IIC_CONT
GND
SCL1
SDA1
SCL3
SDA3
STB3.3V ON/OFF
STB3.3V
GND
RESET
SOUND MUTE
CABLE DET
V MUTE IN
POWER STATUS
232C_STATUS
TXD_TU
GND
RXD_TU
GND
TXD_PC
GND
RXD_PC
ALL_OFF
REMOCON OUT
FAN CONT
RTC INT/PANEL_SOS
STB_ON
5V
GND
LED-G
LED-R
OPT
GND
REMOCON
KEY-SW
GND
Q8181
Q8182
B1CBHD000001
Q3001
2SB0709A0L
D3061
MA2Z7800L
TO V-BOARD (V2)
J2
STB3.3V
LED_G
LED_R
OPT
GND
REMOCON
TO V-BOARD (V15)
J15
KEY_SW
GND
TO D-BOARD (D1)
J1
R/PR_S
GND
GND
R/PR_M
G/Y_S
GND
GND
G/Y_M
B/PB_S
GND
GND
B/PB_M
HD_S
GND
VD_S
HD_M
DPMS_HD
VD_M
GND
DPMS_VD
AG_PR_M
AG_Y_M
AG_PB_M
AF_HD_S
AF_VD_S
AG_HD_M
AF_DPMS_HD
AG_VD_M
AF_DPMS_VD
IC8100
C0CBAG000008
AVR 12V
IC3007
C0JBAS000215
IIC ON/OFF
IC8181
C1DB00001208
TIME CLOCK
X8181
H0J327200114
IC3001
C0JBAR000241
AUDIO SELECT
MC14052BFEL
*Q3002
2SD0601A0L
*Q3003
2SD0601A0L
L
R
Q8183
Q8184
B1CBHD000001
AC_CS(M)
AE_SW0
AE_SW1
AC_SW0
AC_SW1
AB_SCL3
AB_SDA3
AJ_TXD1
AJ_RXD1
AJ_TXD4
AJ_RXD4
AJ_STATUS
POWER_STATUS
CABLE_DET
10
11
12
13
14
15
16
17
18

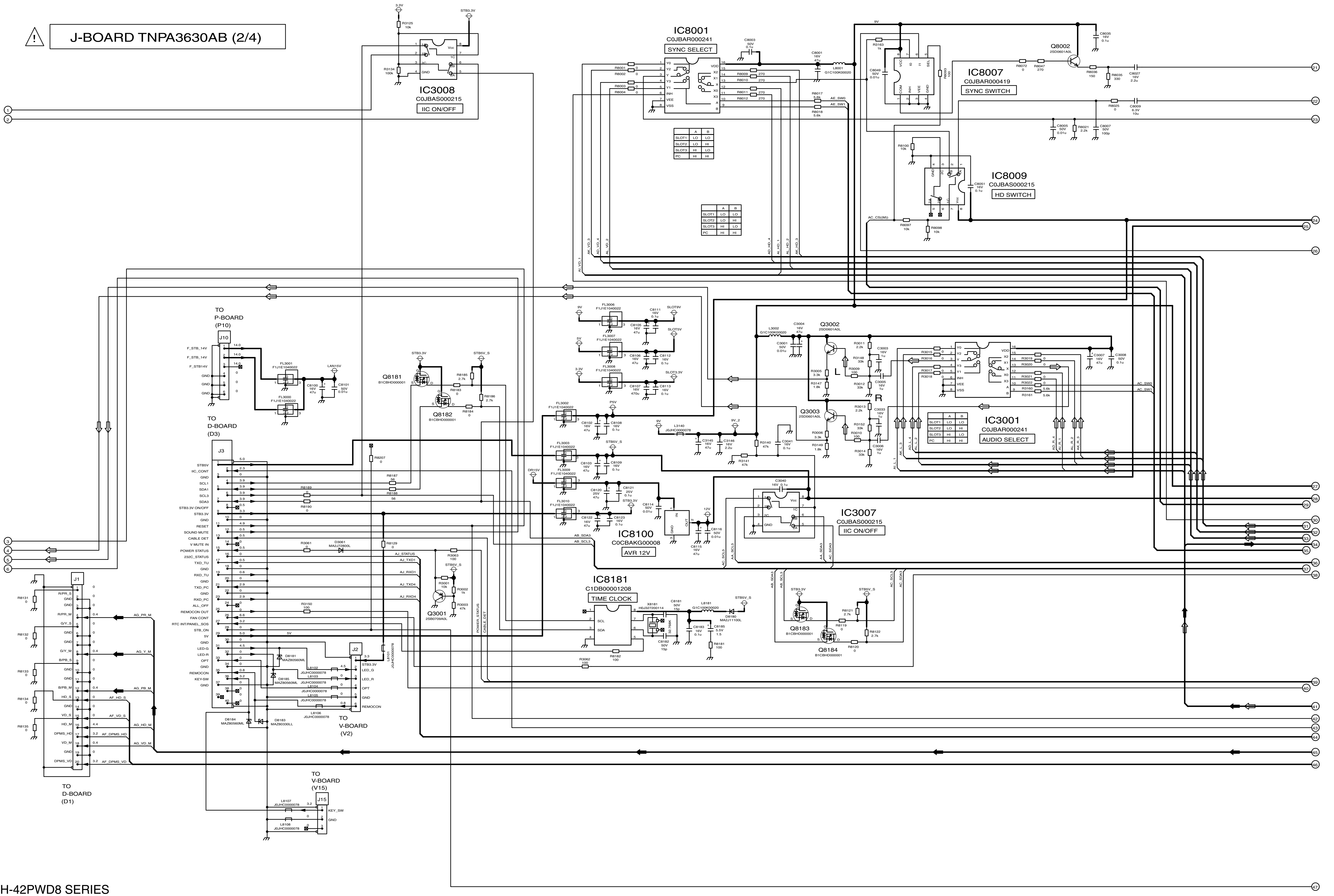
	A	B
SLOT1	LO	LO
SLOT2	LO	HI
SLOT3	HI	LO
PC	HI	HI

	A	B
SLOT1	LO	LO
SLOT2	LO	HI
SLOT3	HI	LO
PC	HI	HI

TH-37PWD8 SERIES
J-Board (2 of 4) Schematic Diagram

TH-37PWD8 SERIES
J-Board (2 of 4) Schematic Diagram

J-BOARD TNPA3630AB (2/4)

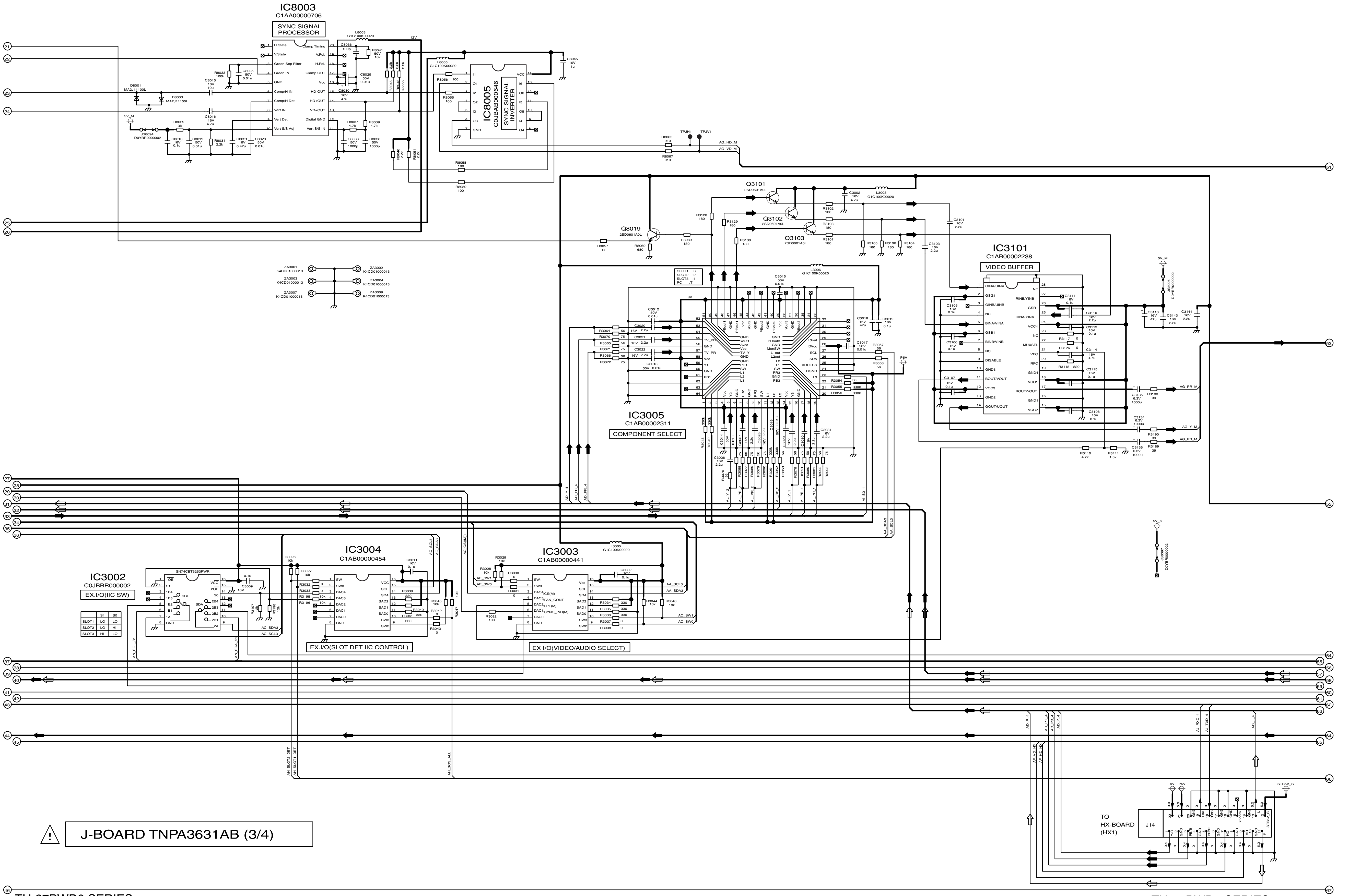

IC3008
C0JBAS000215
IIC ON/OFF
IC8001
C0JBAR000241
SYNC SELECT
IC8007
C0JBAR000419
SYNC SWITCH
IC8009
C0JBAS000215
HD SWITCH
Q8002
2SD0601A0L
IC3001
C0JBAR000241
AUDIO SELECT
Q3002
2SD0601A0L
Q3003
2SD0601A0L
IC3007
C0JBAS000215
IIC ON/OFF
IC8100
C0CBAKG00008
AVR 12V
IC8181
C1DB00001208
TIME CLOCK
Q8181
B1CBHD000001
Q8182
B1CBHD000001
Q8183
B1CBHD000001
Q8184
B1CBHD000001
Q3001
2SB0709A0L
TO P-BOARD (P10)
J10
TO D-BOARD (D3)
J3
J2
TO V-BOARD (V2)
TO V-BOARD (V15)
J15
J1
TO D-BOARD (D1)
STB5V
IIC_CONT
SCL1
SDA1
SCL3
SDA3
STB3.3V ON/OFF
STB3.3V
RESET
SOUND MUTE
CABLE DET
V MUTE IN
POWER STATUS
232C_STATUS
TXD_TU
RXD_TU
TXD_PC
RXD_PC
ALL_OFF
REMOCON OUT
FAN CONT
RTC INT/PANEL_SOS
STB_ON
LED-G
LED-R
OPT
REMOCON
KEY-SW
GND
F_STB_14V
F_STB14V
LAN15V
R/PR_S
R/PR_M
G/Y_S
G/Y_M
B/PB_S
B/PB_M
HD_S
VD_S
HD_M
DPMS_HD
VD_M
DPMS_VD
AG_PR_M
AG_Y_M
AG_PB_M
AF_HD_S
AF_VD_S
AG_HD_M
AF_DPMS_HD
AG_VD_M
AF_DPMS_VD
KEY_SW
STB3.3V
LED_G
LED_R
REMOCON
AJ_STATUS
AJ_TXD1
AJ_RXD1
AJ_TXD4
AJ_RXD4
POWER_STATUS
CABLE_DET
AE_SW0
AE_SW1
AC_SW0
AC_SW1
AC_CS(M))
AB_SDA3
AB_SCL3
AC_SCL3
AA_SCL3
AA_SDA3
AC_SDA3
AJ_VD_1
AK_VD_3
AD_VD_4
AL_VD_2
AL_HD_4
AJ_HD_1
AL_HD_2
AK_HD_3
AL_L_1
AK_L_3
AD_L_4
AL_L_2
AD_R_4
AJ_R_1
AL_R_2
AK_R_3
SLOT9V
SLOT5V
SLOT3.3V
P5V
STB5V_S
DR15V
9V_2
12V
X8181
H0J327200114
32.768K
L

	A	B
SLOT1	LO	LO
SLOT2	LO	HI
SLOT3	HI	LO
PC	HI	HI

	A	B
SLOT1	LO	LO
SLOT2	LO	HI
SLOT3	HI	LO
PC	HI	HI

	A	B
SLOT1	LO	LO
SLOT2	LO	HI
SLOT3	HI	LO
PC	HI	HI

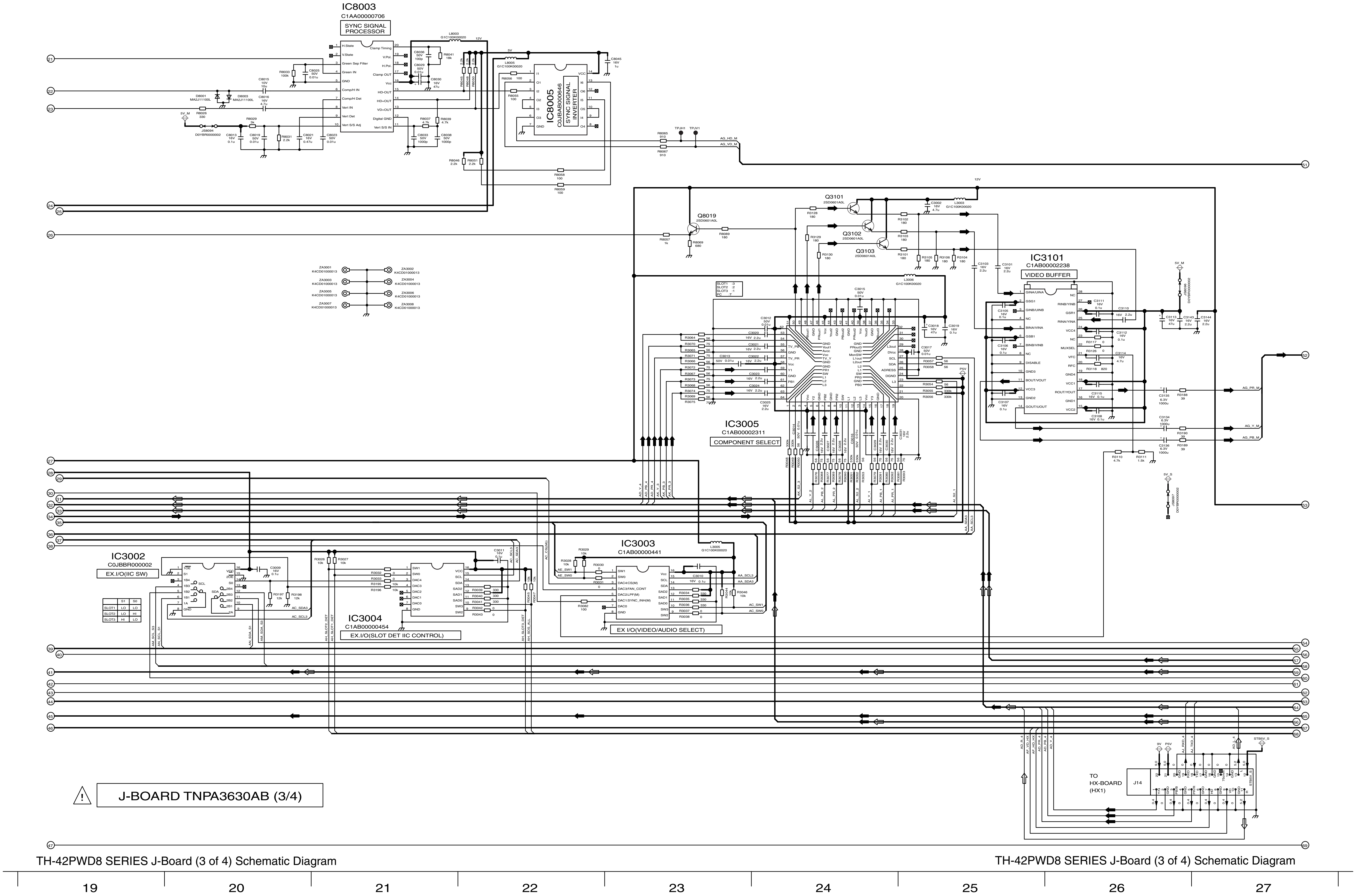
TH-42PWD8 SERIES
J-Board (2 of 4) Schematic Diagram


IC8003
C1AA00000706
SYNC SIGNAL PROCESSOR
H.State
V.State
Green Sep Filter
Green IN
GND
Comp/H IN
Comp/H Det
Vert IN
Vert Det
Vert S/S Adj
Clamp Timing
V.Pol.
H.Pol.
Clamp OUT
Vcc
HD-OUT
HD+OUT
VD+OUT
Digital GND
Vert S/S IN
12V
D8001 MA2J11100L
D8003 MA2J11100L
JS8094 D0YBR0000002
5V_M
L8003 G1C100K00020
L8005 G1C100K00020
IC8005
C0JBAB000646
SYNC SIGNAL INVERTER
TPJH1
TPJV1
AG_HD_M
AG_VD_M
ZA3001 K4CD01000013
ZA3002 K4CD01000013
ZA3003 K4CD01000013
ZA3004 K4CD01000013
ZA3007 K4CD01000013
ZA3009 K4CD01000013
Q3101 2SD0601A0L
Q3102 2SD0601A0L
Q3103 2SD0601A0L
Q8019 2SD0601A0L
L3003 G1C100K00020
L3006 G1C100K00020
SLOT1 :3
SLOT2 :2
SLOT3 :1
PC :T
9V
IC3005
C1AB00002311
COMPONENT SELECT
IC3101
C1AB00002238
VIDEO BUFFER
GINA/UINA
GSG1
GINB/UINB
NC
BINA/VINA
GSB1
BINB/VINB
DISABLE
GND3
BOUT/VOUT
VCC3
GND2
GOUT/UOUT
RINB/YINB
GSR1
RINA/YINA
VCC4
MUXSEL
VFC
RFC
GND4
VCC1
ROUT/YOUT
GND1
VCC2
AG_PR_M
AG_Y_M
AG_PB_M
P5V
JS8096 D0YBR0000002
5V_S
JS8097 D0YBR0000002
IC3002
C0JBBR000002
EX.I/O(IIC SW)
SN74CBT3253PWR
S1 S0
SLOT1 LO LO
SLOT2 LO HI
SLOT3 HI LO
IC3004
C1AB00000454
EX.I/O(SLOT DET IIC CONTROL)
IC3003
C1AB00000441
EX I/O(VIDEO/AUDIO SELECT)
L3005 G1C100K00020
AC_SCL3
AC_SDA3
AA_SCL3
AA_SDA3
AE_SW1
AE_SW0
AC_SW1
AC_SW0
AC_CS(M)
AN_SCL_S1
AN_SDA_S1
AH_SLOT2_DET
AH_SLOT1_DET
AH_SOS_ALL
AD_Y_4
AD_PB_4
AD_PR_4
AD_R_4
AD_L_4
AJ_RXD_4
AJ_TXD_4
AF_VD_HX
AF_HD_HX
STB5V_S
TO HX-BOARD (HX1)
J14

J-BOARD TNPA3631AB (3/4)

TH-37PWD8 SERIES
J-Board (3 of 4) Schematic Diagram

TH-37PWD8 SERIES
J-Board (3 of 4) Schematic Diagram

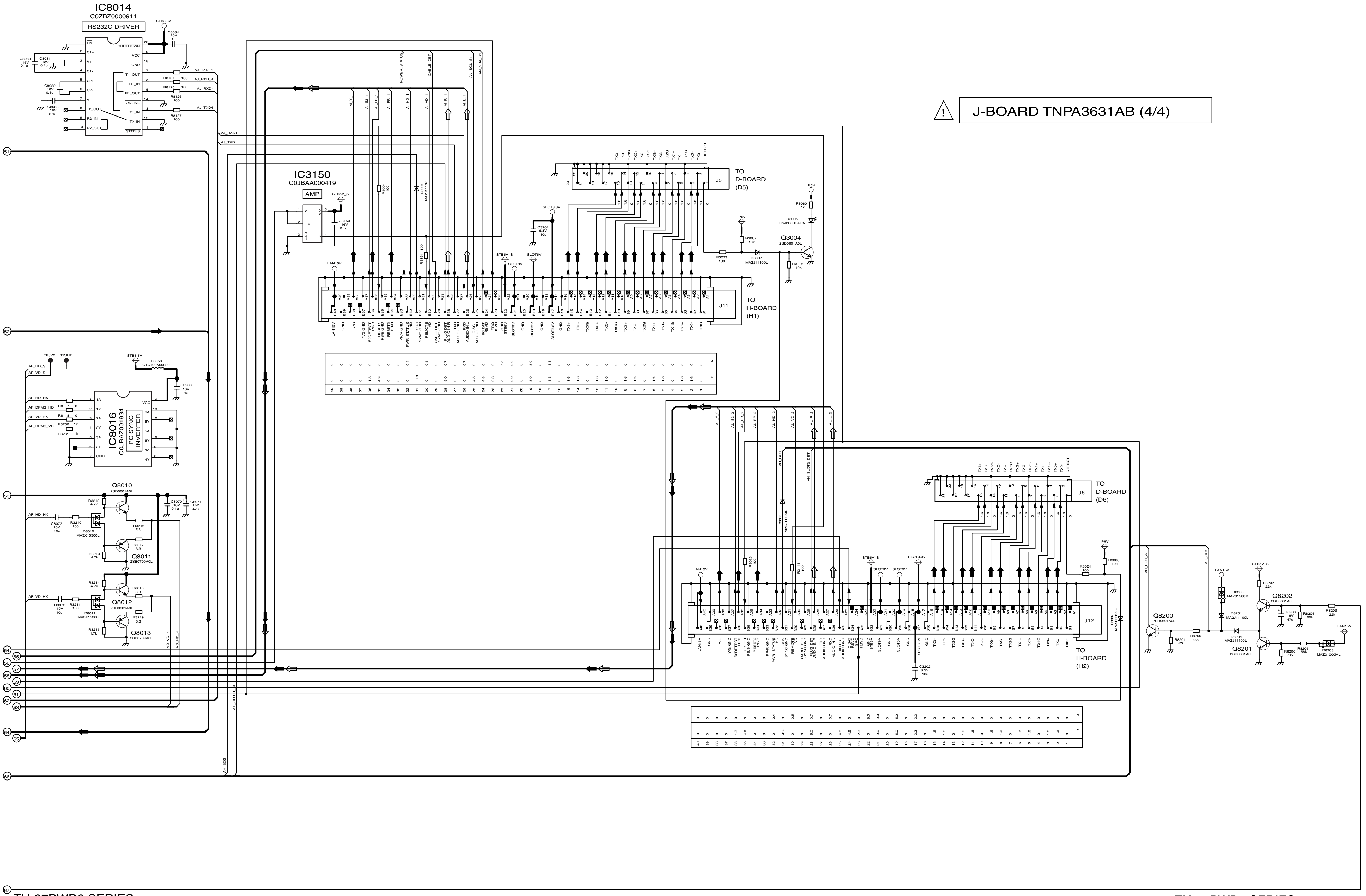

IC8003
C1AA00000706
SYNC SIGNAL PROCESSOR
IC8005
C0JBAB000646
SYNC SIGNAL INVERTER
Q8019
2SD0601A0L
Q3101
2SD0601A0L
Q3102
2SD0601A0L
Q3103
2SD0601A0L
IC3101
C1AB00002238
VIDEO BUFFER
IC3005
C1AB00002311
COMPONENT SELECT
SLOT1 :3
SLOT2 :2
SLOT3 :1
PC :T
IC3002
C0JBBR000002
EX.I/O(IIC SW)
IC3004
C1AB00000454
EX.I/O(SLOT DET IIC CONTROL)
IC3003
C1AB00000441
EX I/O(VIDEO/AUDIO SELECT)
AG_HD_M
AG_VD_M
AG_PR_M
AG_Y_M
AG_PB_M
TO
HX-BOARD
(HX1)
J14
J-BOARD TNPA3630AB (3/4)
19
20
21
22
23
24
25
26
27

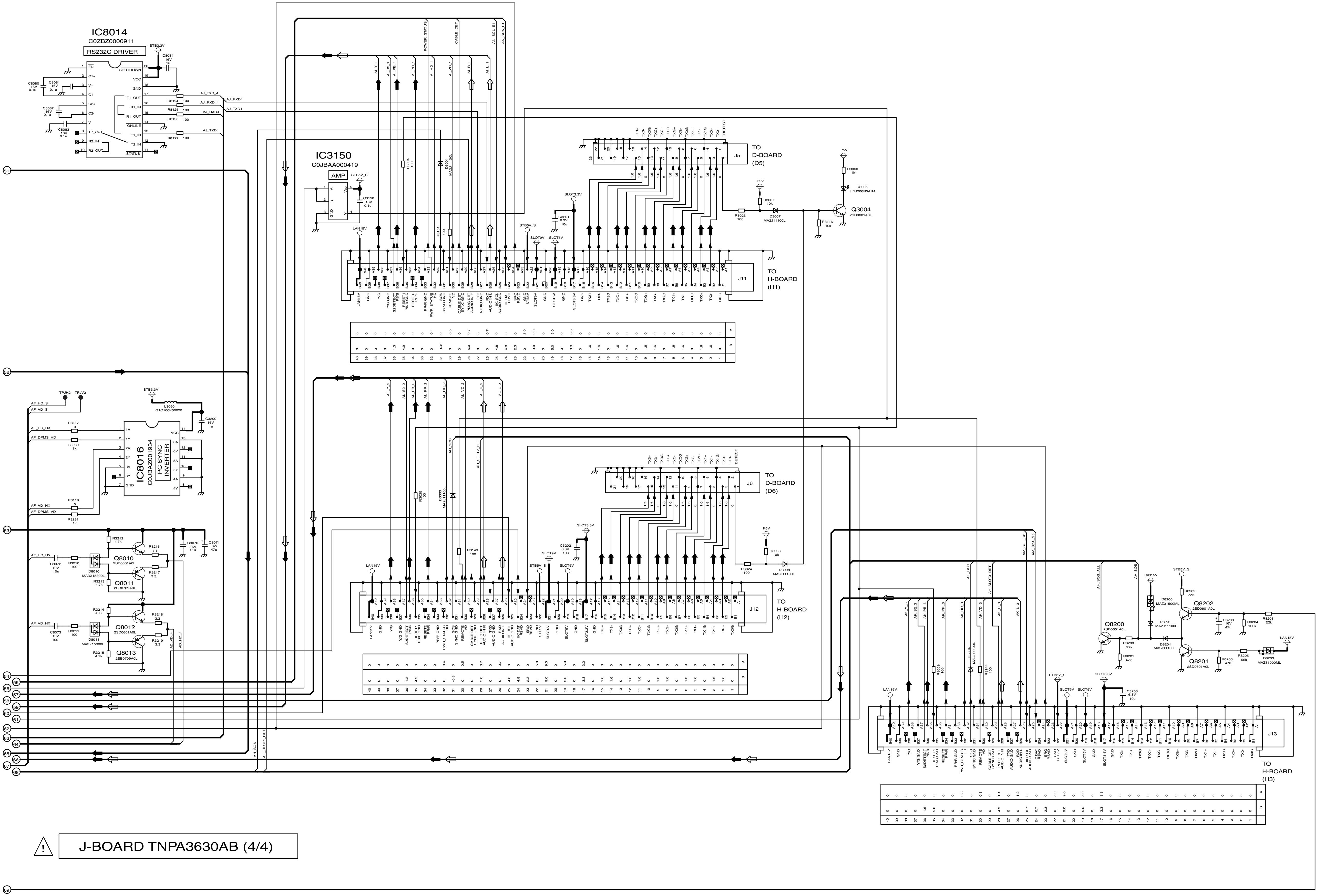
	S1	S0
SLOT1	LO	LO
SLOT2	LO	HI
SLOT3	HI	LO

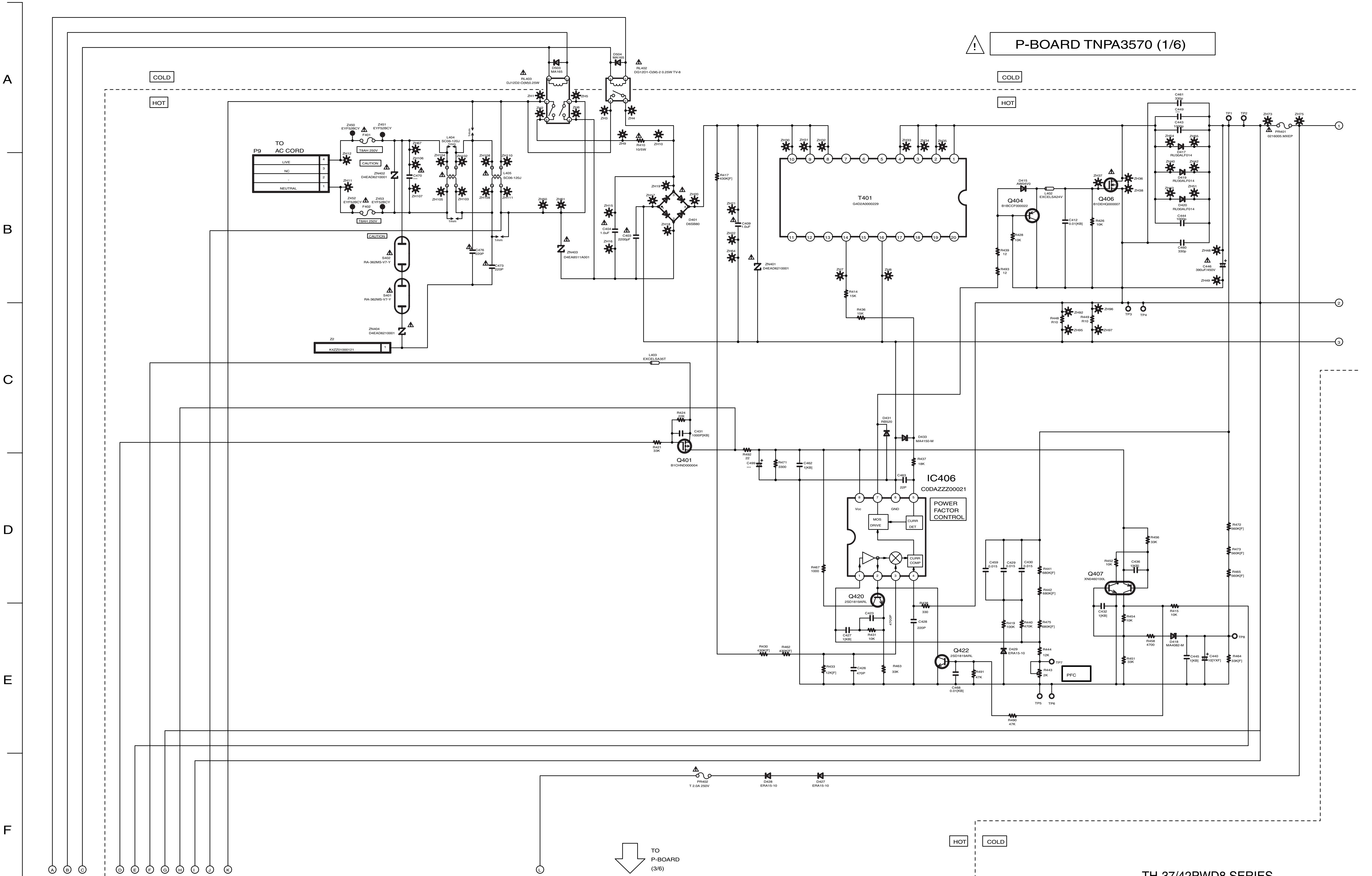
TH-42PWD8 SERIES J-Board (3 of 4) Schematic Diagram

TH-42PWD8 SERIES J-Board (3 of 4) Schematic Diagram

J-BOARD TNPA3631AB (4/4)


IC8014
C0ZBZ0000911
RS232C DRIVER
IC3150
C0JBAA000419
AMP
IC8016
C0JBAZ001934
PC SYNC INVERTER
Q8010
2SD0601A0L
Q8011
2SB0709A0L
Q8012
2SD0601A0L
Q8013
2SB0709A0L
Q3004
2SD0601A0L
Q8200
2SD0601A0L
Q8201
2SD0601A0L
Q8202
2SD0601A0L
J5
TO D-BOARD (D5)
J11
TO H-BOARD (H1)
J6
TO D-BOARD (D6)
J12
TO H-BOARD (H2)
STB3.3V
STB5V_S
LAN15V
SLOT9V
SLOT5V
SLOT3.3V
P5V
AJ_TXD_4
AJ_RXD_4
AJ_RXD4
AJ_TXD4
AJ_RXD1
AJ_TXD1
AF_HD_S
AF_VD_S
AF_HD_HX
AF_DPMS_HD
AF_VD_HX
AF_DPMS_VD
AH_SOS
AH_SLOT2_DET
AH_SOS_ALL
L3050
G1C100K00020
D3005
LNJ206R5ARA
D3007
MA2J11100L
D8010
MA3X15300L
D8011
MA3X15300L
D8200
MAZ31500ML
D8201
MA2J11100L
D8203
MAZ31000ML
D8204
MA2J11100L
(51)
(52)
(53)
(54)
(55)
(56)
(57)
(58)
(59)
(60)
(61)
(62)
(63)
(64)
(65)
(66)
(67)

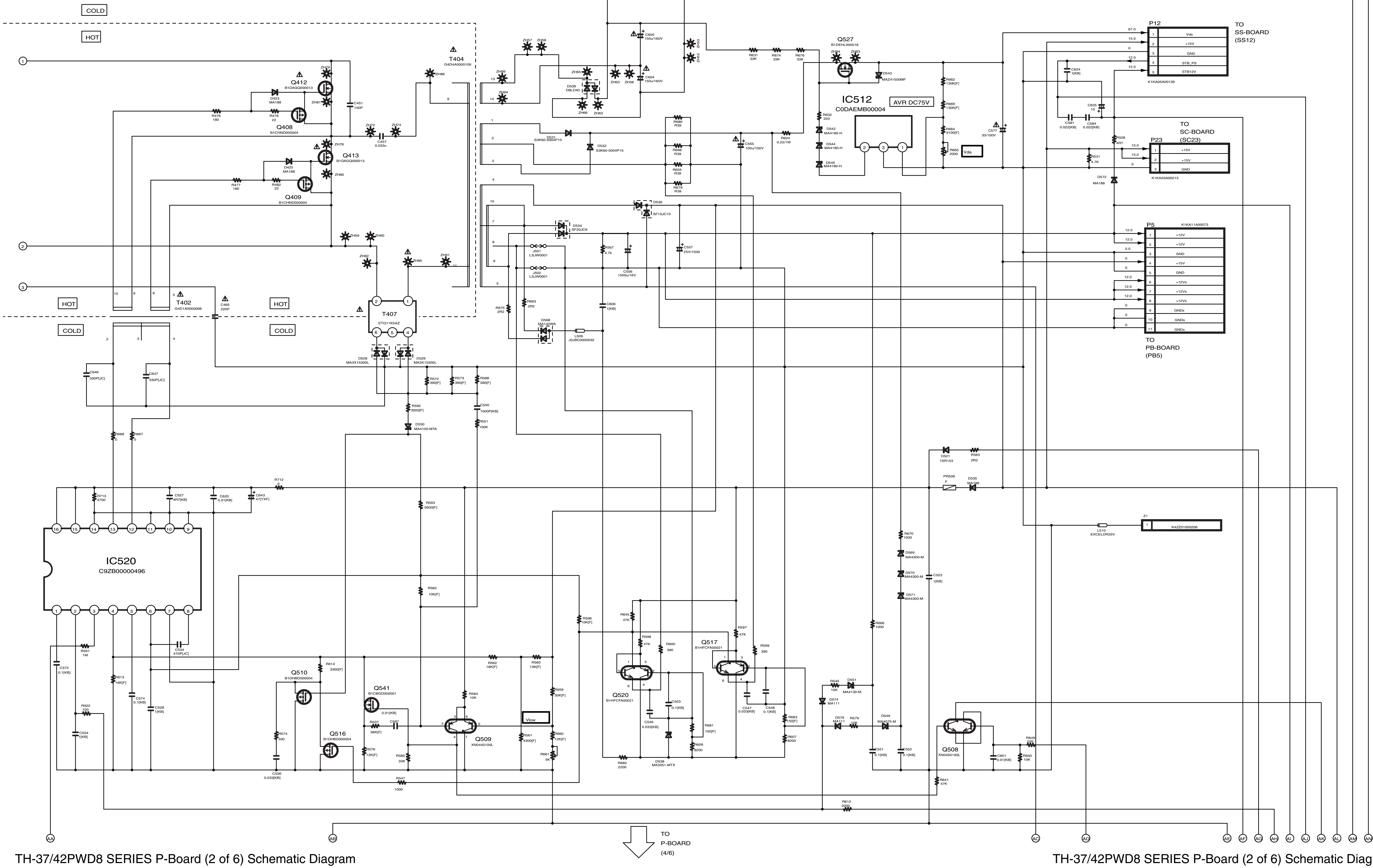

IC8014
C0ZBZ0000911
RS232C DRIVER
IC3150
C0JBAA000419
AMP
IC8016
C0JBAZ001934
PC SYNC INVERTER
Q8010
Q8011
Q8012
Q8013
Q3004
Q8200
Q8201
Q8202
TO D-BOARD (D5)
TO H-BOARD (H1)
TO D-BOARD (D6)
TO H-BOARD (H2)
TO H-BOARD (H3)
J5
J11
J6
J12
J13
J-BOARD TNPA3630AB (4/4)


P-BOARD TNPA3570 (1/6)
COLD
HOT
P9
TO AC CORD
LIVE
NC
NEUTRAL
F401
F402
T8AH 250V
CAUTION
Z450 EYF52BCY
Z451 EYF52BCY
Z452 EYF52BCY
Z453 EYF52BCY
ZN402 D4EAD6210001
C470
L404 SC06-120J
L405 SC06-120J
S402 RA-362MS-V7-Y
S401 RA-362MS-V7-Y
ZN404 D4EAD6210001
Z2 K4ZZ01000121
C476 220P
C473 220P
D503 MA165
RL403 DJ12D2-O(M)0.25W
D504 MA165
RL402 DG12D1-O(M)-2 0.25W TV-8
R410 10/5W
ZN403 D4EA6511A001
C404 1.0uF
C403 2200pF
D401 D6SB80
R417 430K[F]
C409 1.0uF
ZN401 D4EAD6210001
T401 G4D2A0000229
R414 15K
R436 15K
D415 AW04V0
L402 EXCELSA24V
Q404 B1BCCF000022
Q406 B1DEHQ000007
C412 0.01[KB]
R426 10K
R428 10K
R439 12
R493 12
D417 RU3OALF014
D419 RU3OALF014
D420 RU3OALF014
C461 330p
C449
C443 1000p
C444 1000p
C460 330p
C446 390uF/450V
PR401 0216005.MXEP
TP1
TP2
TP3
TP4
R448 R10
R449 R10
L403 EXCELSA35T
R424 22K
C431 1000P[KB]
R421 33K
Q401 B1CHND000004
R492 22
C499
R471 3300
C462 1[KB]
D431 RB520
D433 MA4150-M
R437 18K
C463 22P
IC406
C0DAZZZ00021
POWER FACTOR CONTROL
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
R467 1000
Q420 2SD1819ARL
C423
C427 1[KB]
R431 10K
4700P
R438 330
C428 220P
R430 430K[F]
R462 430K[F]
R433 12K[F]
C426 470P
R463 33K
Q422 2SD1819ARL
C468 0.01[KB]
R491 47K
C459 0.015
C429 0.015
C430 0.015
R441 680K[F]
R442 680K[F]
R419 100K
R440 470K
R475 680K[F]
D429 ERA15-10
R444 12K
R443 2K
TP5
TP6
TP7
PFC
R490 47K
Q407 XN0460100L
R452 10K
R456 33K
C436 1[KB]
C432 1[KB]
R454 10K
R458 4700
D418 MA4082-M
R451 33K
R415 10K
C445 1[KB]
C440 10[YXF]
TP8
R472 560K[F]
R473 560K[F]
R465 560K[F]
R464 33K[F]
PR402 T 2.0A 250V
D428 ERA15-10
D427 ERA15-10
TO P-BOARD (3/6)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PWD8 SERIES P-Board (1 of 6) Schematic Diagram

TH-37/42PWD8 SERIES
P-Board (1 of 6) Schematic Diagram

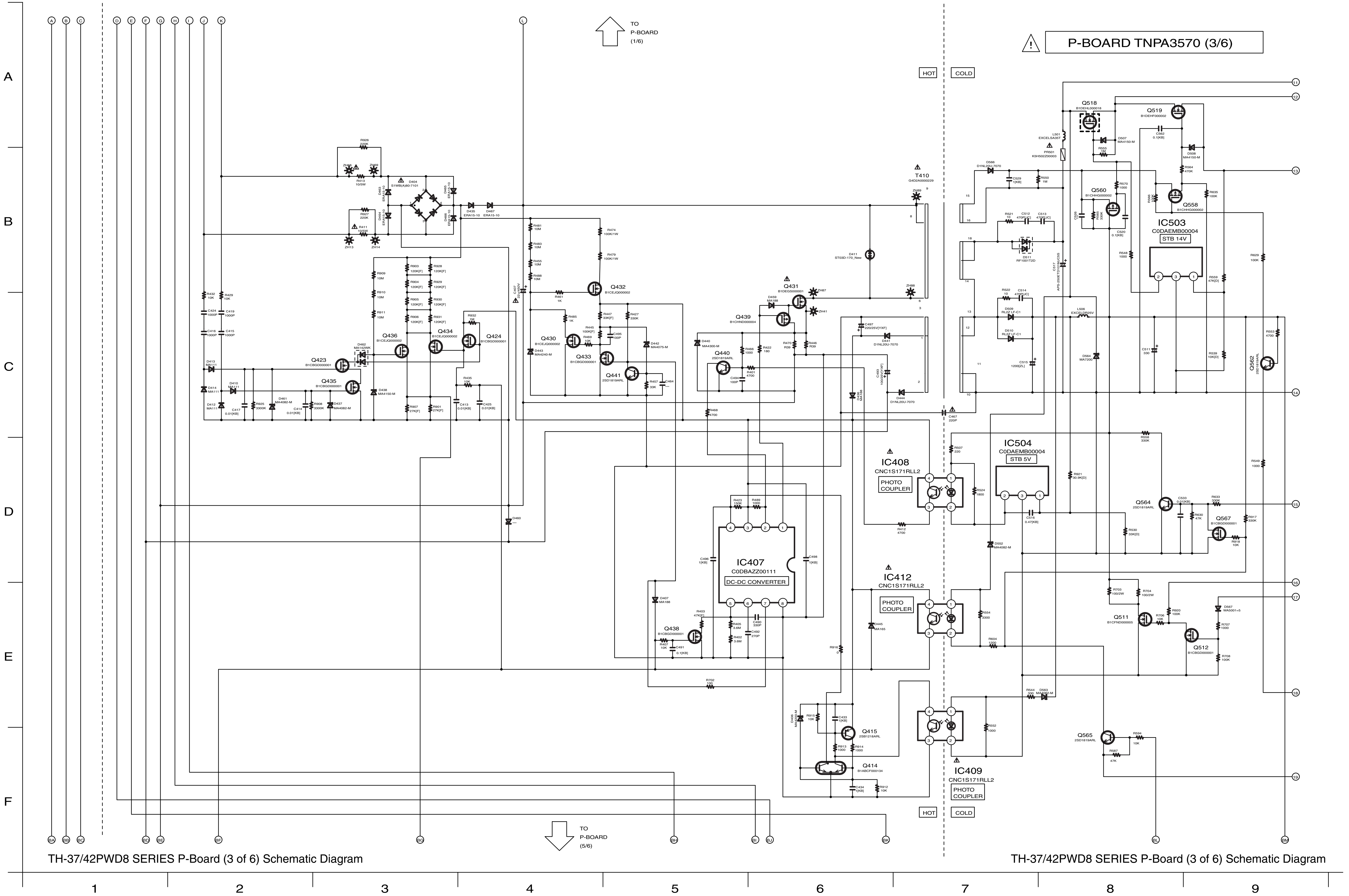
⚠ P-BOARD TNPA3570 (2/6)


COLD
HOT
HOT
COLD
HOT
COLD
1
2
3
Q412 B1DAGQ000013
D423 MA188
Q408 B1CHND000004
R476 180
R478 22
Q413 B1DAGQ000013
D425 MA188
Q409 B1CHND000004
R477 180
R482 22
C451 100P
C457 0.033u
T404 G4D4A0000109
T402 G4D1A0000098
C465 220P
T407 ETQ11K5AZ
D528 MA3X15300L
D529 MA3X15300L
C646 330P[JC]
C647 330P[JC]
R572 390[F]
R573 390[F]
R588 390[F]
R592 3000[F]
D530 MA4100-MTA
C550 1000P[KB]
R551 100K
R668 0
R667 0
R713 4700
C527 4R7[KB]
C620 0.01[KB]
C643 47[YXF]
R712 0
R593 5600[F]
IC520 C9ZB00000496
R582 10K[F]
R591 1M
C572 0.1[KB]
C534 470P[JC]
R613 16K[F]
C574 0.1[KB]
C528 1[KB]
R922 100
C554 1[KB]
Q510 B1DHBD000004
R614 3300[F]
Q516 B1DHBD000004
R574 330
C530 0.033[KB]
Q541 B1CBGD000001
0.01[KB]
R537 36K[F]
C587
R576 12K[F]
R585 33K
R547 1000
R584 10K
Q509 XN0440100L
R562 18K[F]
R560 13K[F]
Vlow
R561 4300[F]
R659 30K[F]
R660 12K[F]
R661 5K
R596 10K[F]
C605 150u/160V
C604 150u/160V
ZH57 ZH58 ZH99 ZH94 ZH65 ZH63 ZH56 ZH66 ZH62 ZH61 ZH64 ZH59 ZH60 ZH82 ZH85 ZH91 ZH72 ZH74 ZH78 ZH79 ZH80 ZH81 ZH86
D539 D6LD40
D531 S3K60-5004P15
D532 S3K60-5004P15
R680 R39
R698 R39
R655 R39
R679 R39
C555 100u/100V
R624 0.22/1W
D536 SF15JC10
D534 SF20JC6
J501 LSJW0001
J502 LSJW0001
R567 4.7k
C556 1500u/16V
C557 25V/1500
R675 2R2
R663 2R2
C606 1[KB]
D568 MA142WA
L509 J0JBC0000032
R631 33K
R674 33K
R676 33K
Q527 B1DEHL000018
ZH84 ZH83
D543 MAZ41500MF
IC512 C0DAEMB00004
AVR DC75V
R632 220
D542 MA4180-H
D544 MA4180-H
D545 MA4180-H
R662 130K[F]
R669 130K[F]
R664 9100[F]
R665 2000
Vda
C577 33/100V
P12
TO SS-BOARD (SS12)
67.0 15.0 0 12.0 12.0
Vda
+15V
GND
STB_PS
STB12V
K1KA05A00139
C624 1[KB]
C625 10
C581 0.022[KB]
C584 0.022[KB]
R628 4R7
R531 4.7K
D572 MA188
TO SC-BOARD (SC23)
P23
15.0 15.0 0
+15V
+15V
GND
K1KA03A00213
P5
K1KA11A00073
12.0 12.0 5.0 0 0 0 12.0 12.0 12.0 0 0 0
+12V
+12V
GND
+15V
GND
+12Vs
+12Vs
+12Vs
GNDs
GNDs
GNDs
TO PB-BOARD (PB5)
D521 15R153
R563 2R2
PR509 F
D535 MA188
Z1 K4ZZ01000206
L510 EXCELDR25V
R670 1000
D569 MA4300-M
D570 MA4300-M
D571 MA4300-M
C523 1[KB]
R666 1000
R645 47K
R598 47K
R600 390
Q520 B1HFCFA00021
C553 0.1[KB]
C546 0.033[KB]
R681 150[F]
R609 8200
R682 2200
D538 MA3051-MTX
Q517 B1HFCFA00021
R597 47K
R599 390
C547 0.033[KB]
C548 0.1[KB]
R683 150[F]
R607 8200
R545 10K
D551 MA4130-M
D574 MA111
D579 MA111
R579 10K
D549 MA4075-M
C551 0.1[KB]
C552 0.1[KB]
Q508 XN0450100L
R649 22K
C601 0.01[KB]
R650 10K
R641 47K
R612 2200
AA AB AC AD AE AF AG AH AI AJ AK AL AM AN
TO P-BOARD (4/6)

TH-37/42PWD8 SERIES P-Board (2 of 6) Schematic Diagram

TH-37/42PWD8 SERIES P-Board (2 of 6) Schematic Diagram

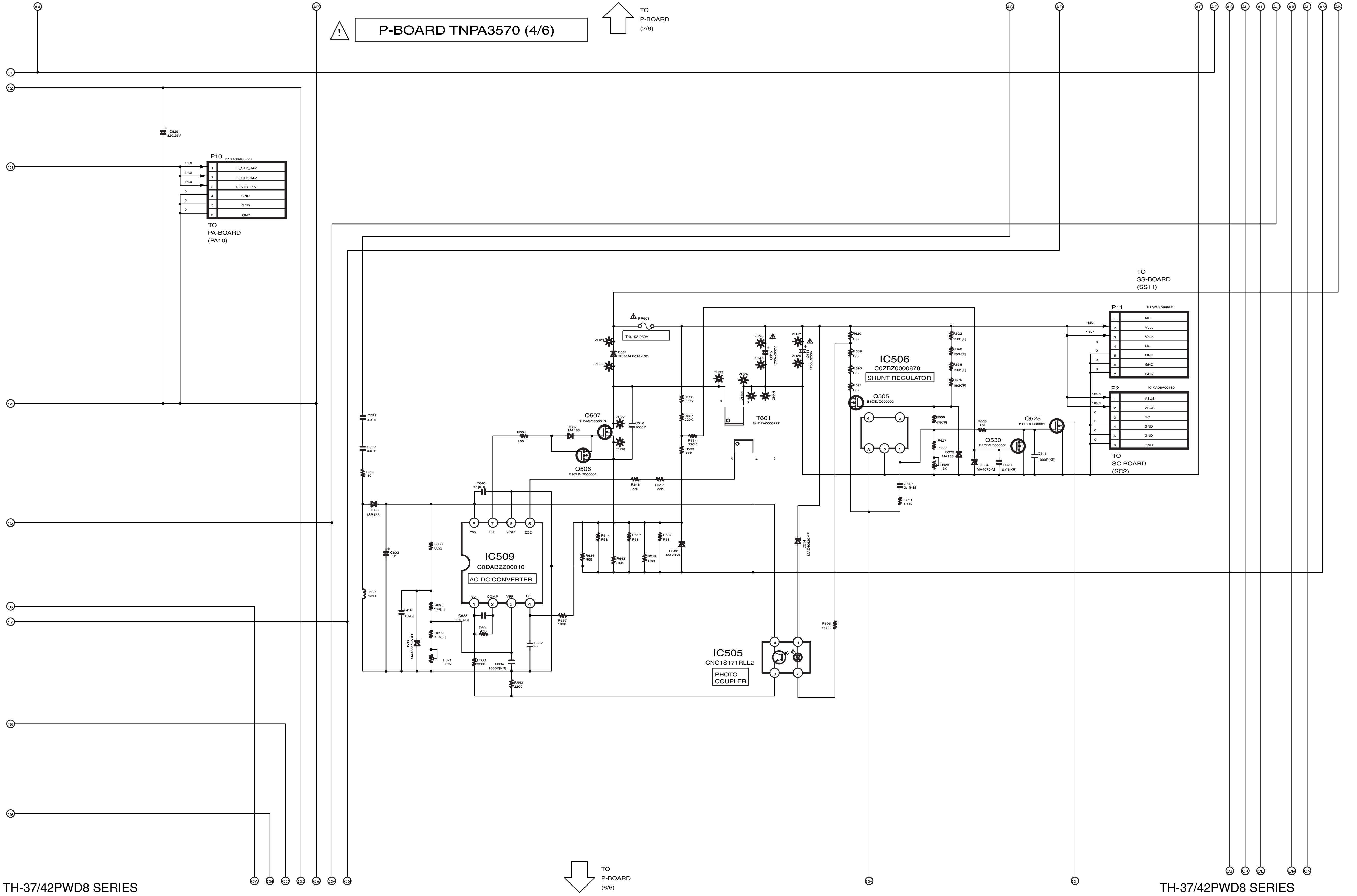
10	11	12	13	14	15	16	17	18


P-BOARD TNPA3570 (3/6)
TO P-BOARD (1/6)
TO P-BOARD (5/6)
HOT
COLD
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
T410
G4D2A0000229
IC503
C0DAEMB00004
STB 14V
IC504
C0DAEMB00004
STB 5V
IC407
C0DBAZZ00111
DC-DC CONVERTER
IC408
CNC1S171RLL2
PHOTO COUPLER
IC412
CNC1S171RLL2
PHOTO COUPLER
IC409
CNC1S171RLL2
PHOTO COUPLER
Q518
B1DEHL000018
Q519
B1DEHF000002
Q560
B1CHHG000002
Q558
B1CHHG000002
Q562
2SD1819ARL
Q564
2SD1819ARL
Q567
B1CBGD000001
Q511
B1CFND000005
Q512
B1CBGD000001
Q565
2SD1819ARL
Q415
2SB1218ARL
Q414
B1ABCF000134
Q438
B1CBGD000001
Q431
B1DEGS000001
Q439
B1CHND000004
Q440
2SD1819ARL
Q432
B1CEJQ000002
Q430
B1CEJQ000002
Q433
B1CBGD000001
Q441
2SD1819ARL
Q436
B1CEJQ000002
Q434
B1CEJQ000002
Q424
B1CBGD000001
Q423
B1CBGD000001
Q435
B1CBGD000001
D404
S1WB(A)80-7101
D435
ERA15-10
D467
ERA15-10
D411
ST03D-170_New
L501
EXCELSA35T
PR501
K5H502Z00003
L506
EXCELDR25V
D511
RF1001T2D
D441
D1NL20U-7070
D444
D1NL20U-7070
D566
D1NL20U-7070
C467
220P
11
12
13
14
15
16
17
18
19
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM

TH-37/42PWD8 SERIES P-Board (3 of 6) Schematic Diagram

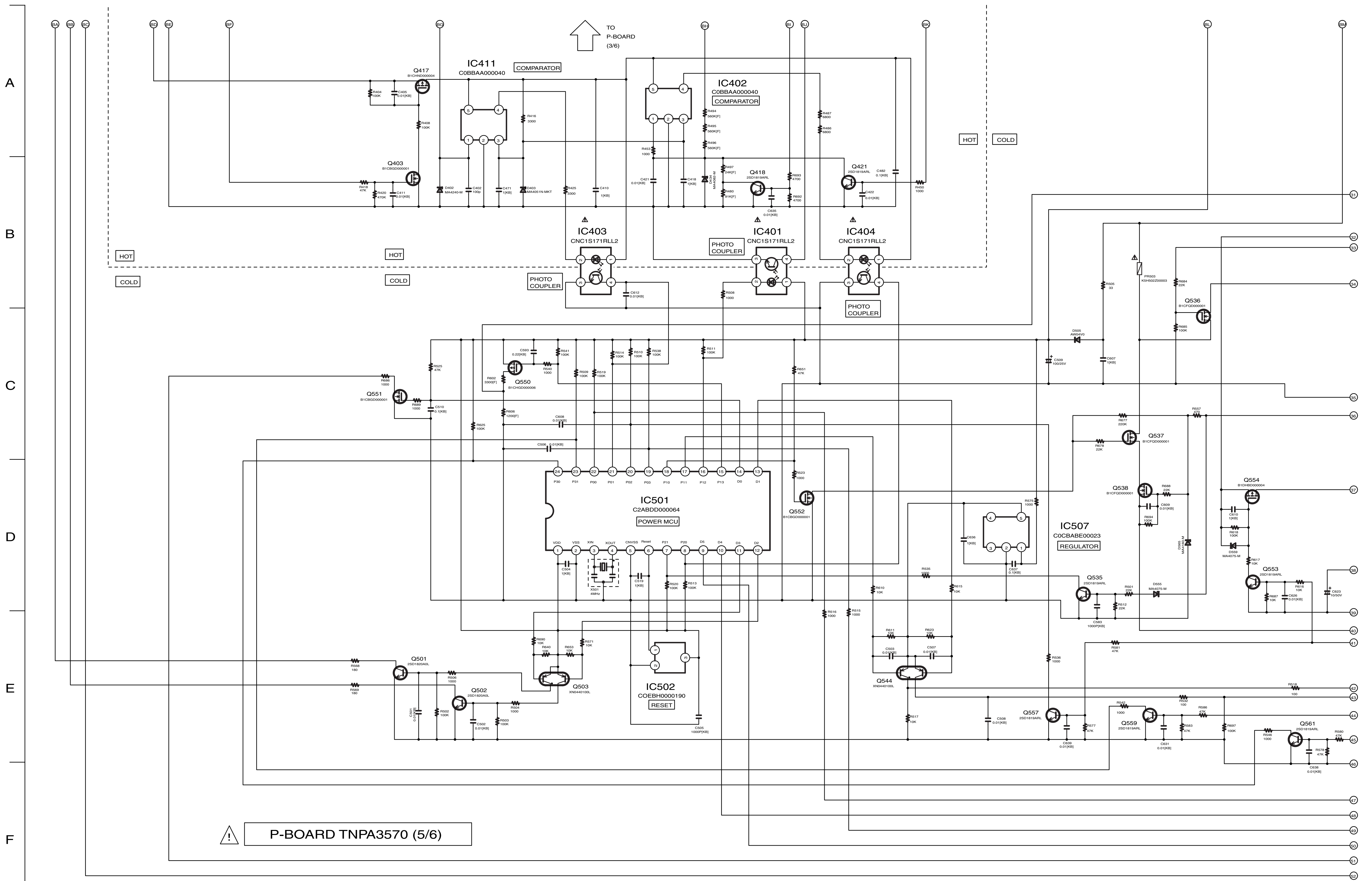
TH-37/42PWD8 SERIES P-Board (3 of 6) Schematic Diagram

P-BOARD TNPA3570 (4/6)


TO
P-BOARD
(2/6)
P10
K1KA06A00220
F_STB_14V
F_STB_14V
F_STB_14V
GND
GND
GND
TO
PA-BOARD
(PA10)
C525
820/25V
TO
SS-BOARD
(SS11)
P11
K1KA07A00096
NC
Vsus
Vsus
NC
GND
GND
GND
P2
K1KA06A00180
VSUS
VSUS
NC
GND
GND
GND
TO
SC-BOARD
(SC2)
PR601
T 3.15A 250V
D501
RU30ALF014-102
T601
G4D2A0000227
IC506
C0ZBZ0000878
SHUNT REGULATOR
Q505
B1CEJQ000002
Q530
B1CBGD000001
Q525
B1CBGD000001
Q507
B1DAGQ000013
Q506
B1CHND000004
D587
MA188
D586
1SR153
L502
1mH
IC509
C0DABZZ00010
AC-DC CONVERTER
Vcc
GD
GND
ZCD
INV
COMP
VFF
CS
D582
MA7056
D514
MAZ40620MF
IC505
CNC1S171RLL2
PHOTO
COUPLER
D575
MA188
D584
MA4075-M
TO
P-BOARD
(6/6)
10
11
12
13
14
15
16
17
18

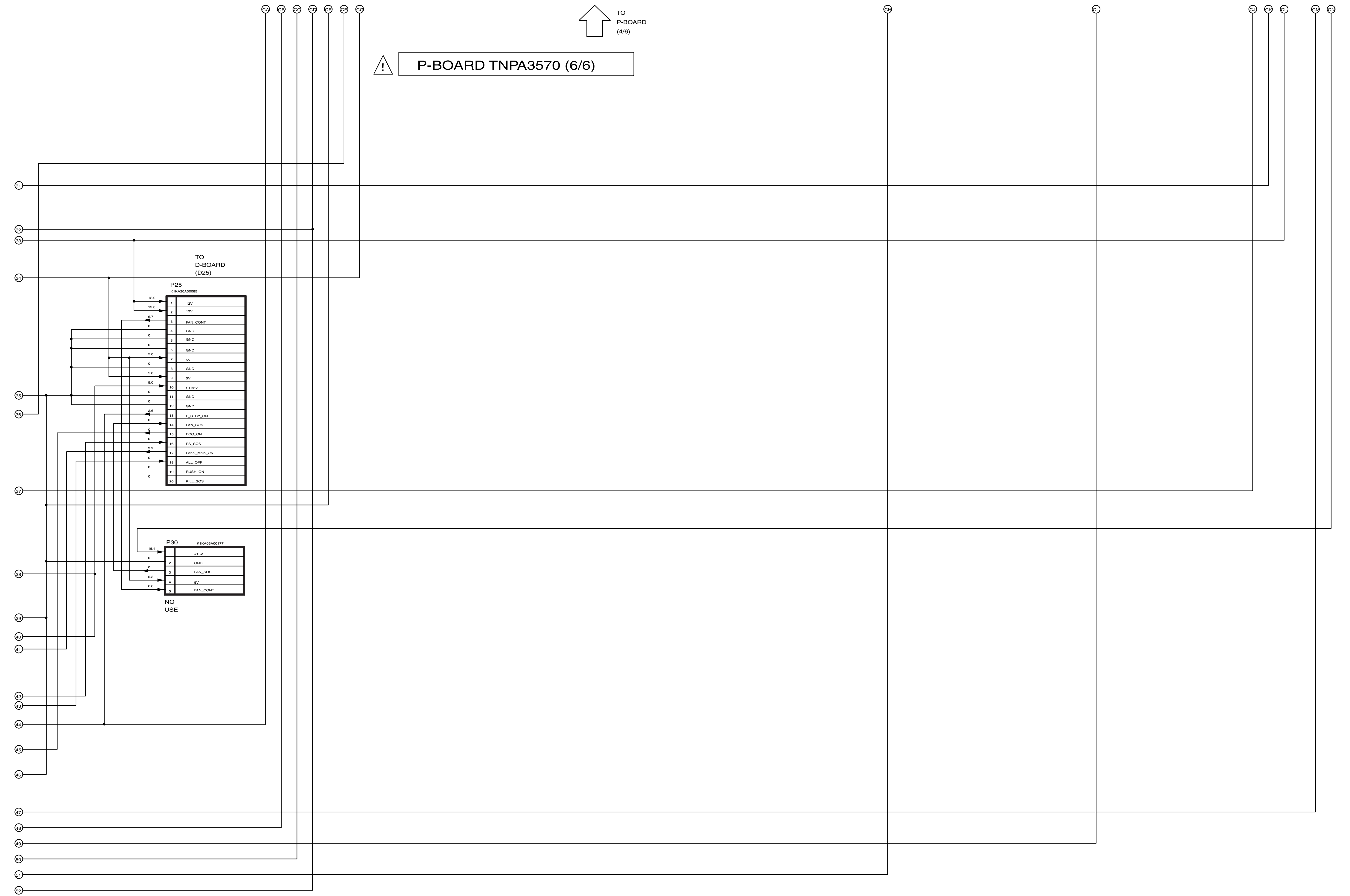
TH-37/42PWD8 SERIES
P-Board (4 of 6) Schematic Diagram

TH-37/42PWD8 SERIES
P-Board (4 of 6) Schematic Diagram


TO
P-BOARD
(3/6)
IC411
C0BBAA000040
COMPARATOR
IC402
C0BBAA000040
COMPARATOR
Q417
Q403
Q418
Q421
HOT
COLD
IC403
CNC1S171RLL2
IC401
CNC1S171RLL2
IC404
CNC1S171RLL2
PHOTO COUPLER
Q550
Q551
Q552
Q536
Q537
Q538
Q554
Q553
Q535
IC501
C2ABDD000064
POWER MCU
IC507
C0CBABE00023
REGULATOR
IC502
COEBH0000190
RESET
Q501
Q502
Q503
Q544
Q557
Q559
Q561
X501
4MHz
P-BOARD TNPA3570 (5/6)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PWD8 SERIES
P-Board (5 of 6) Schematic Diagram

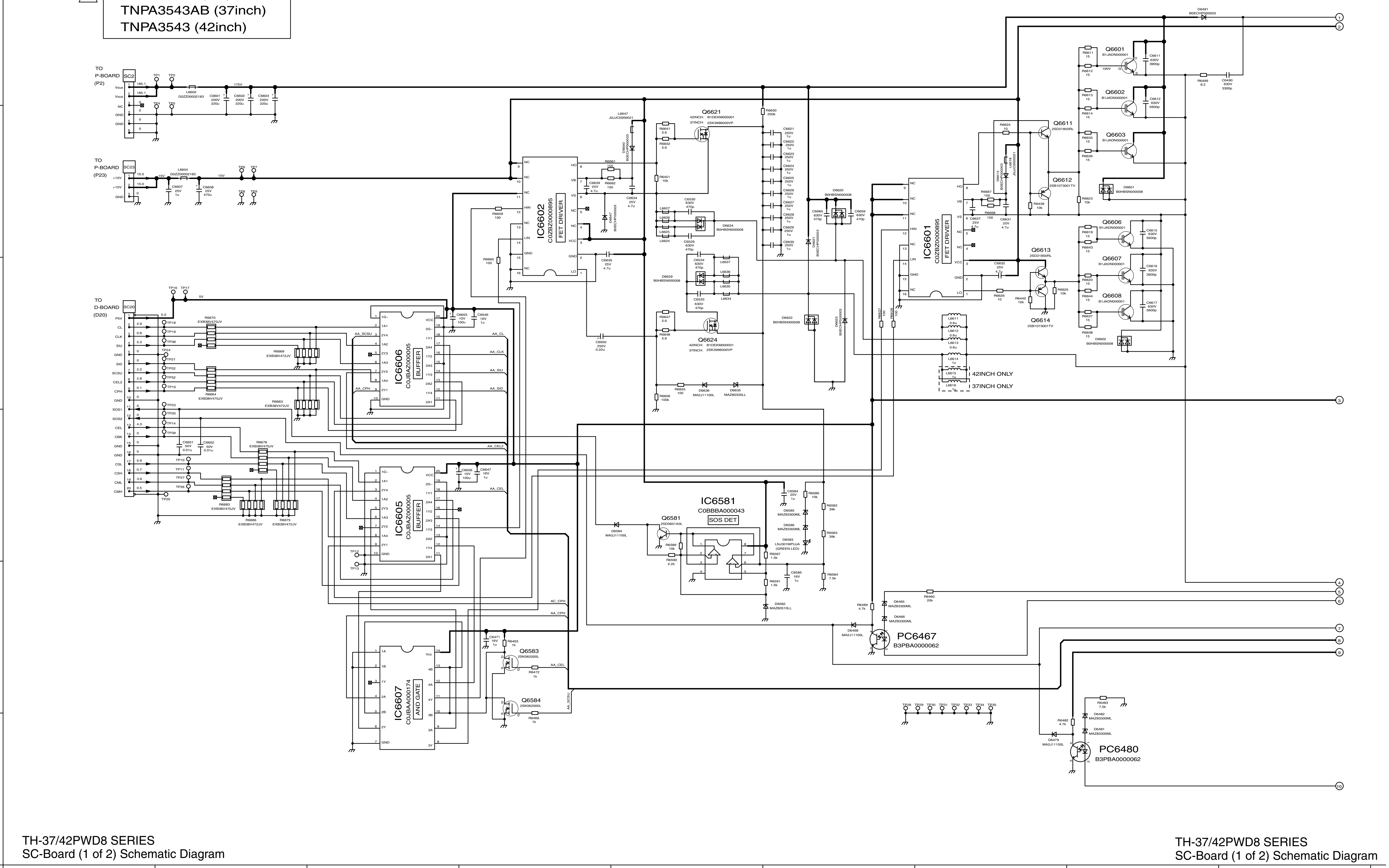
TH-37/42PWD8 SERIES
P-Board (5 of 6) Schematic Diagram


CA
CB
CC
CD
CE
CF
CG
TO
P-BOARD
(4/6)
CH
CI
CJ
CK
CL
CM
CN
P-BOARD TNPA3570 (6/6)
31
32
33
34
TO
D-BOARD
(D25)
P25
K1KA20A00085
12.0
12.0
6.7
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 12V
2 12V
3 FAN_CONT
4 GND
5 GND
6 GND
7 5V
8 GND
9 5V
10 STB5V
11 GND
12 GND
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 RUSH_ON
20 KILL_SOS
35
36
37
P30
K1KA05A00177
15.4
0
0
5.3
6.6
1 +15V
2 GND
3 FAN_SOS
4 5V
5 FAN_CONT
NO
USE
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52

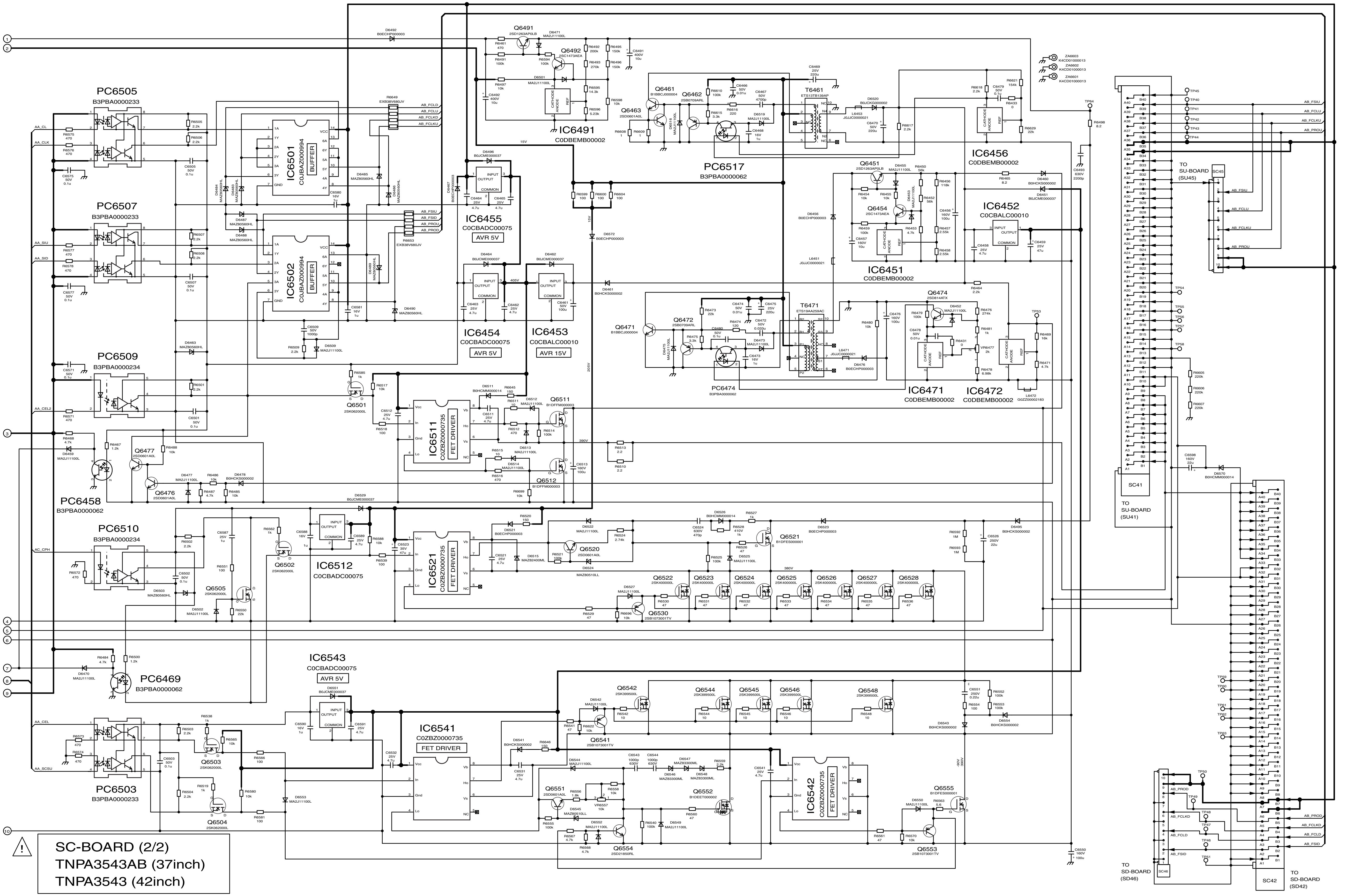
TH-37/42PWD8 SERIES
P-Board (6 of 6) Schematic Diagram

TH-37/42PWD8 SERIES
P-Board (6 of 6) Schematic Diagram

⚠ SC-BOARD (1/2)
TNPA3543AB (37inch)
TNPA3543 (42inch)



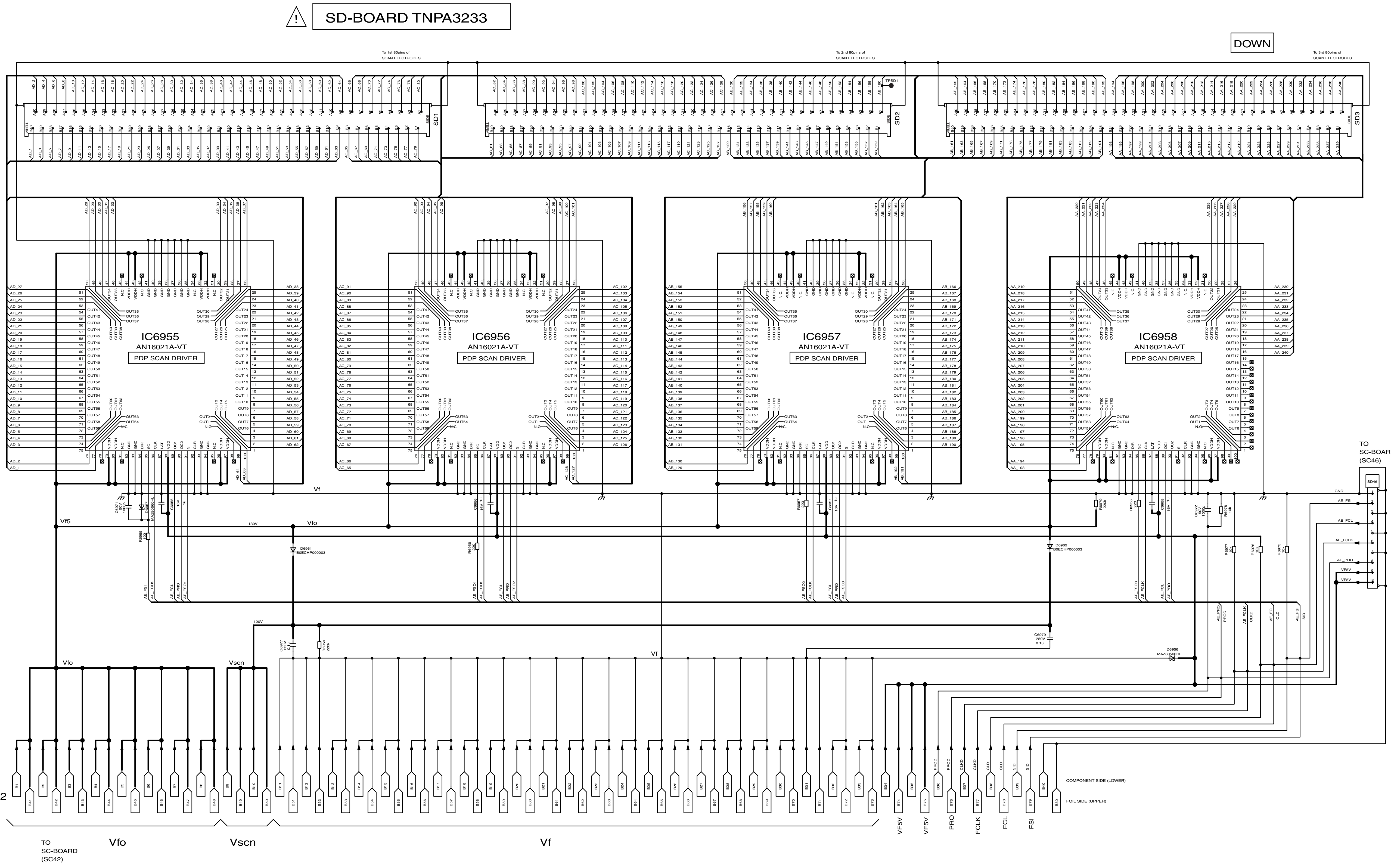
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TO P-BOARD (P2)
SC2
Vsus
NC
GND
L6602 G0ZZ00002183
C6601 200V 220u
C6602 200V 220u
C6603 200V 220u
175V
TO P-BOARD (P23)
SC23
+15V
L6604 G0ZZ00002183
C6607 25V 1u
C6608 25V 470u
15V
TO D-BOARD (D20)
SC20
P5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
SOS1
SOS2
CEL
CBK
CSL
CSH
CML
CMH
5V
R6670 EXB38V470JV
R6669 EXB38V472JV
R6664 EXB38V470JV
R6663 EXB38V472JV
R6676 EXB38V470JV
R6683 EXB38V470JV
R6686 EXB38V472JV
R6675 EXB38V472JV
C6651 50V 0.01u
C6652 50V 0.01u
IC6606 C0JBAZ000005 BUFFER
IC6605 C0JBAZ000005 BUFFER
IC6607 C0JBAA000174 AND GATE
AA_SCSU
AA_CPH
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AA_CEL
AC_CPH
AA_CPH
AA_SCSU
C6655 10V 100u
C6646 16V 1u
C6656 10V 100u
C6647 16V 1u
C6471 16V 1u
R6463 1k
Q6583 2SK0620000L
Q6584 2SK0620000L
R6472 1k
R6466 1k
IC6602 C0ZBZ0000895 FET DRIVER
R6659 100
R6660 100
L6647 J0JJC0000021
D6640 B0ECHP000003
R6661 150
R6662 150
C6639 25V 4.7u
C6634 25V 4.7u
D6647 B0ECHP000003
C6635 25V 4.7u
C6650 250V 0.22u
Q6621 42INCH: B1DEKM000001 37INCH: 2SK3996000VP
R6641 5.6
R6642 5.6
R6451 10k
R6630 200k
C6621–C6630 250V 1u
L6627
L6626
L6625
L6624
C6530 630V 470p
C6529 630V 470p
D6624 B0HBSN000008
C6534 630V 470p
C6533 630V 470p
L6637
L6636
L6635
L6634
D6629 B0HBSN000008
R6647 5.6
R6648 5.6
Q6624 42INCH: B1DEKM000001 37INCH: 2SK3996000VP
R6655 100
D6636 MA2J11100L
D6635 MAZ80330LL
R6656 100k
D6620 B0HBSN000008
C6660 630V 470p
C6659 630V 470p
D6621 B0ECHP000003
D6622 B0HBSN000008
D6623 B0ECHP000003
IC6581 C0BBBA000043 SOS DET
Q6581 2SD0601A0L
D6584 MA2J11100L
R6589 10k
R6590 2.2k
C6584 25V 1u
R6586 10k
D6585 MAZ83300ML
D6586 MAZ83300ML
D6583 LNJ301MPUJA (GREEN LED)
R6582 39k
R6583 39k
R6587 1.5k
C6585 16V 1u
R6591 1.5k
R6584 7.5k
D6582 MAZ80510LL
IC6601 C0ZBZ0000895 FET DRIVER
R6627 100
R6628 100
R6667 150
R6668 150
C6637 25V 4.7u
C6631 25V 4.7u
C6632 25V 4.7u
R6626 10
R6624 10
D6615 B0ECHP000003
L6618 J0JJC0000021
Q6611 2SD21850RL
Q6612 2SB1073001TV
R6439 10k
Q6613 2SD21850RL
Q6614 2SB1073001TV
R6440 10k
R6625 10k
R6623 10k
L6611 0.6u
L6612 0.6u
L6613 0.6u
L6614 1u
L6615 1u
L6616 1u
42INCH ONLY
37INCH ONLY
Q6601 B1JADN000001
Q6602 B1JADN000001
Q6603 B1JADN000001
C6611 630V 3900p
C6612 630V 5600p
190V
R6611 15
R6612 15
R6613 15
R6614 15
R6635 15
R6636 15
D6601 B0HBSN000008
Q6606 B1JADN000001
Q6607 B1JADN000001
Q6608 B1JADN000001
C6615 630V 5600p
C6616 630V 3900p
C6617 630V 5600p
R6619 15
R6643 15
R6620 15
R6644 15
R6637 15
R6638 15
D6602 B0HBSN000008
D6491 B0ECHP000003
R6499 8.2
C6490 630V 3300p
PC6467 B3PBA0000062
R6489 4.7k
D6465 MAZ83300ML
D6466 MAZ83300ML
R6460 20k
D6468 MA2J11100L
PC6480 B3PBA0000062
R6483 7.5k
D6482 MAZ83300ML
D6481 MAZ83300ML
R6482 4.7k
D6479 MA2J11100L
TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35
1
2
3
4
5
6
7
8
9
10


PC6505
B3PBA0000233
PC6507
B3PBA0000233
PC6509
B3PBA0000234
PC6458
B3PBA0000062
PC6510
B3PBA0000234
PC6469
B3PBA0000062
PC6503
B3PBA0000233
IC6501
C0JBAZ000994
BUFFER
IC6502
C0JBAZ000994
BUFFER
Q6491
Q6492
IC6491
C0DBEMB00002
IC6455
C0CBADC00075
AVR 5V
IC6454
C0CBADC00075
AVR 5V
IC6453
C0CBALC00010
AVR 15V
Q6461
Q6462
Q6463
T6461
ETS13TB139AP
PC6517
B3PBA0000062
IC6456
C0DBEMB00002
IC6452
C0CBALC00010
Q6451
Q6454
IC6451
C0DBEMB00002
Q6471
Q6472
T6471
ETS19AA259AC
PC6474
B3PBA0000062
Q6474
IC6471
C0DBEMB00002
IC6472
C0DBEMB00002
Q6501
Q6477
Q6476
IC6511
C0ZBZ0000735
FET DRIVER
Q6511
Q6512
Q6502
IC6512
C0CBADC00075
IC6521
C0ZBZ0000735
FET DRIVER
Q6520
Q6521
Q6505
Q6522
Q6523
Q6524
Q6525
Q6526
Q6527
Q6528
Q6530
IC6543
C0CBADC00075
AVR 5V
IC6541
C0ZBZ0000735
FET DRIVER
Q6503
Q6504
Q6541
Q6542
Q6544
Q6545
Q6546
Q6548
Q6551
Q6552
Q6554
IC6542
C0ZBZ0000735
FET DRIVER
Q6555
Q6553
TO
SU-BOARD
(SU45)
SC45
SC41
TO
SU-BOARD
(SU41)
TO
SD-BOARD
(SD46)
SC46
SC42
TO
SD-BOARD
(SD42)
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AC_CPH
AA_CEL
AA_SCSU
1
2
3
4
5
6
7
8
9
10
10
11
12
13
14
15
16
17
18

SC-BOARD (2/2)
TNPA3543AB (37inch)
TNPA3543 (42inch)

TH-37/42PWD8 SERIES SC-Board (2 of 2) Schematic Diagram

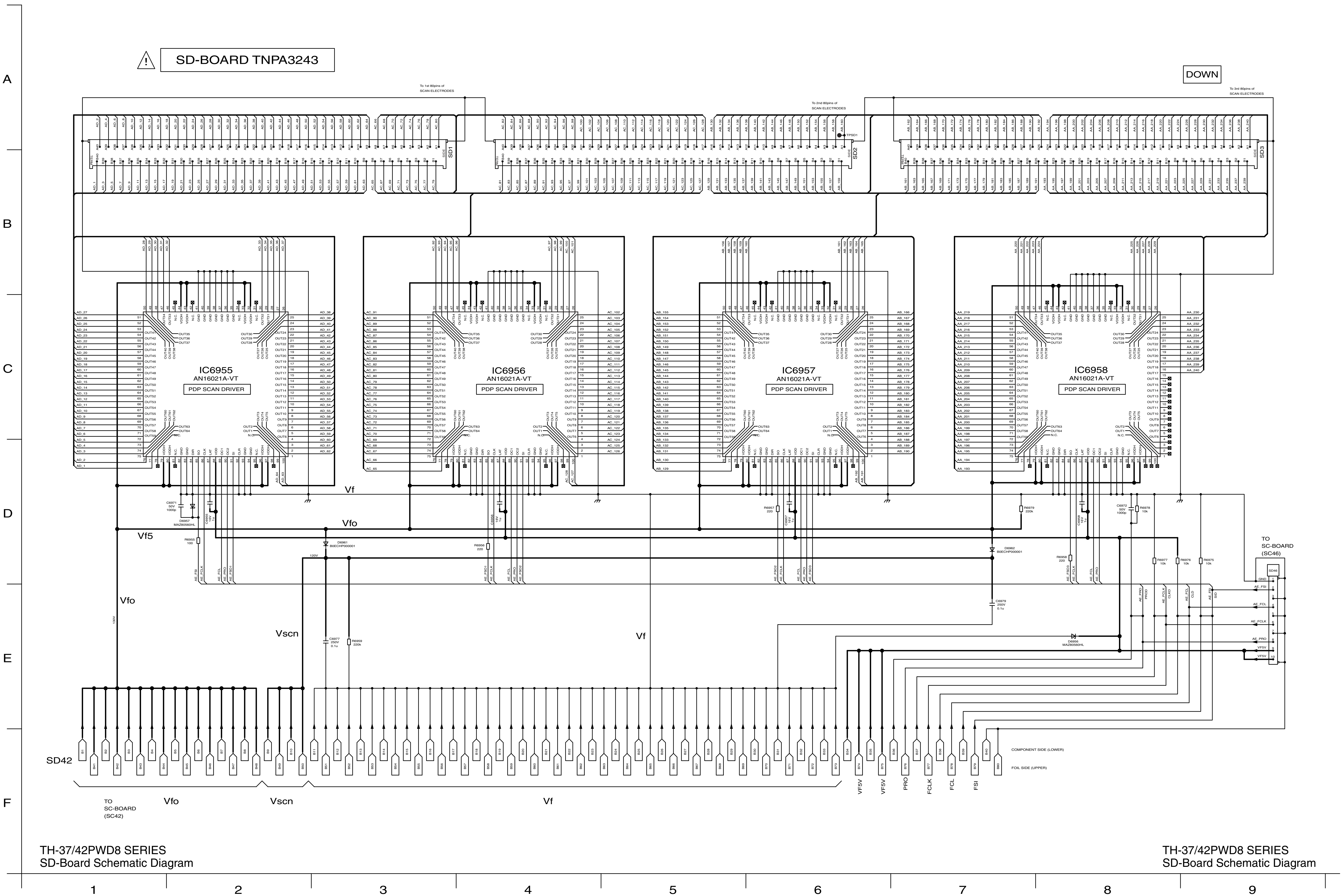
TH-37/42PWD8 SERIES SC-Board (2 of 2) Schematic Diagram



SD-BOARD TNPA3233
DOWN
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES
SD1
SD2
SD3
TPSD1
IC6955
AN16021A-VT
PDP SCAN DRIVER
IC6956
AN16021A-VT
PDP SCAN DRIVER
IC6957
AN16021A-VT
PDP SCAN DRIVER
IC6958
AN16021A-VT
PDP SCAN DRIVER
Vf
Vf5
Vfo
130V
120V
D6961
B0ECHP000003
D6962
B0ECHP000003
D6956
MAZ80560HL
C6979
250V
0.1u
C6977
250V
0.1u
R6959
220k
TO
SC-BOARD
(SC46)
SD46
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
VF5V
Vfo
Vscn
Vf
SD42
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
TO
SC-BOARD
(SC42)
Vfo
Vscn
Vf
VF5V
VF5V
PRO
FCLK
FCL
FSI
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PWD8 SERIES
SD-Board Schematic Diagram

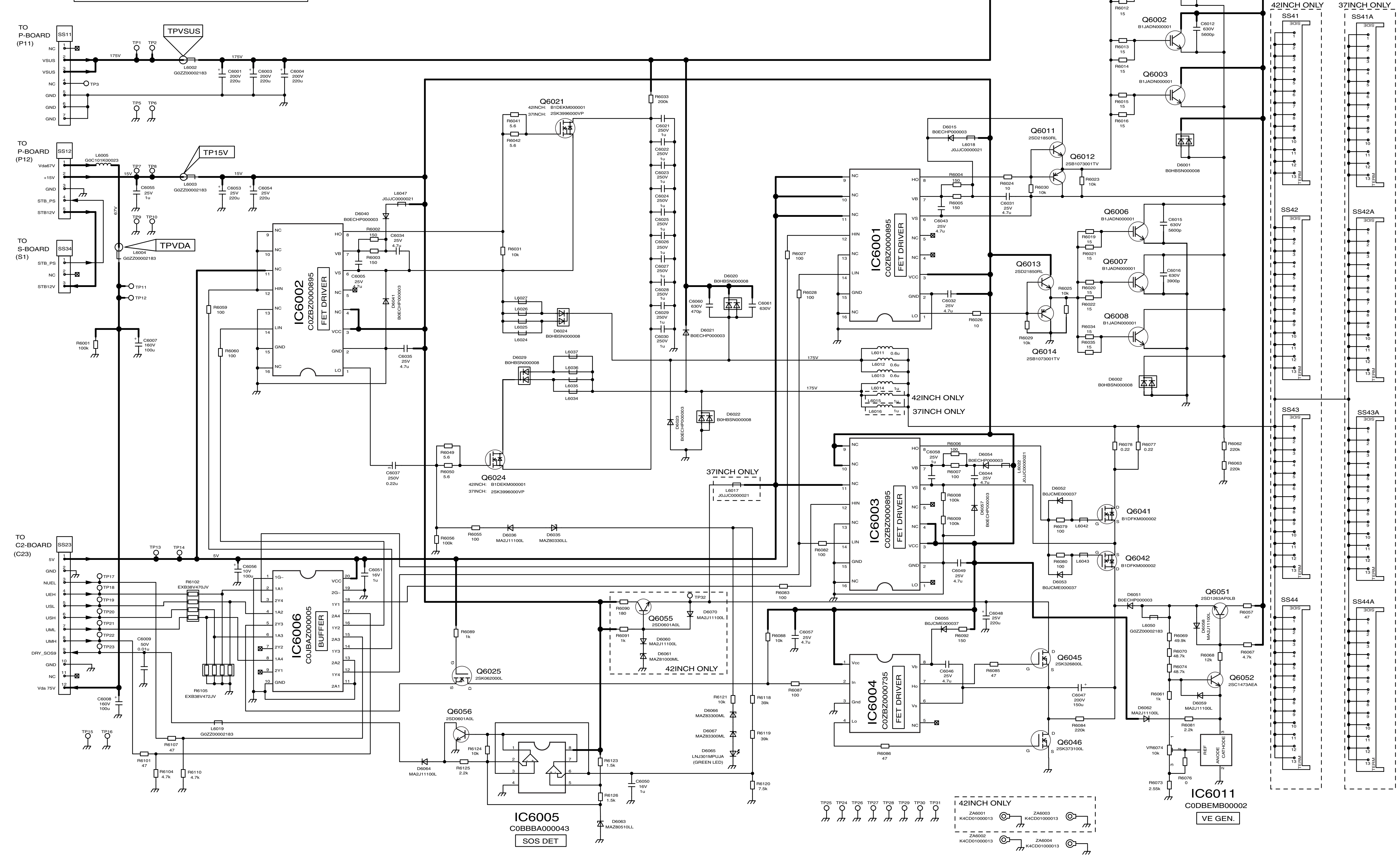
TH-37/42PWD8 SERIES
SD-Board Schematic Diagram


SD-BOARD TNPA3243
DOWN
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES
SD1
SD2
SD3
TPSD1
IC6955
AN16021A-VT
PDP SCAN DRIVER
IC6956
AN16021A-VT
PDP SCAN DRIVER
IC6957
AN16021A-VT
PDP SCAN DRIVER
IC6958
AN16021A-VT
PDP SCAN DRIVER
Vf
Vfo
Vf5
Vscn
130V
120V
C6971 50V 1000p
D6957 MAZ80560HL
C6955 16V 1u
R6955 100
D6961 B0ECHP000001
R6956 220
C6956 16V 1u
R6957 220
C6957 16V 1u
R6979 220k
D6962 B0ECHP000001
C6979 250V 0.1u
C6977 250V 0.1u
R6959 220k
R6958 220
C6958 16V 1u
C6972 50V 1000p
R6978 10k
R6977 10k
R6976 10k
R6975 10k
D6956 MAZ80560HL
TO SC-BOARD (SC46)
SD46
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
VF5V
PRO
CLKO
CLD
SIO
SD42
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
VF5V
VF5V
PRO
FCLK
FCL
FSI
TO SC-BOARD (SC42)
Vfo
Vscn
Vf
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PWD8 SERIES
SD-Board Schematic Diagram

TH-37/42PWD8 SERIES
SD-Board Schematic Diagram

SS-BOARD
TNPA3544AB (37inch)
TNPA3544 (42inch)

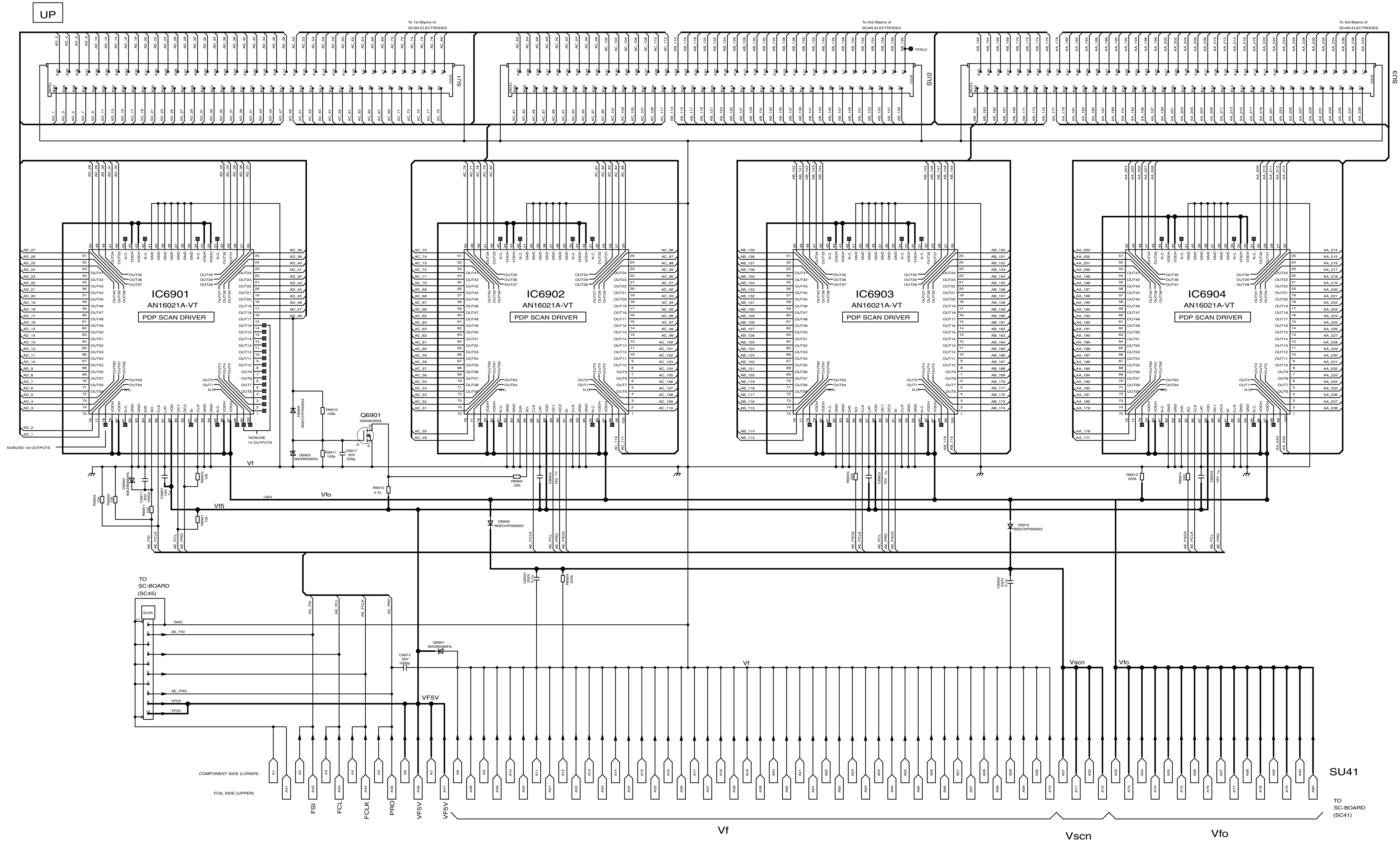


A
B
C
D
E
1
2
3
4
5
6
7
8
TO P-BOARD (P11)
SS11
NC
VSUS
VSUS
NC
GND
GND
GND
175V
TP1
TP2
TP3
TP5
TP6
TPVSUS
L6002 G0ZZ00002183
C6001 200V 220u
C6003 200V 220u
C6004 200V 220u
TO P-BOARD (P12)
SS12
Vda67V
+15V
GND
STB_PS
STB12V
L6005 G0C101K00023
15V
TP7
TP8
TP9
TP10
TP15V
L6003 G0ZZ00002183
C6055 25V 1u
C6053 25V 220u
C6054 25V 220u
TO S-BOARD (S1)
SS34
STB_PS
NC
STB12V
67V
TPVDA
L6004 G0ZZ00002183
TP11
TP12
R6001 100k
C6007 160V 100u
Q6021 42INCH: B1DEKM000001 37INCH: 2SK3996000VP
R6041 5.6
R6042 5.6
R6033 200k
C6021 250V 1u
C6022 250V 1u
C6023 250V 1u
C6024 250V 1u
C6025 250V 1u
C6026 250V 1u
C6027 250V 1u
C6028 250V 1u
C6029 250V 1u
C6030 250V 1u
L6047 J0JJC0000021
D6040 B0ECHP000003
IC6002 C0ZBZ0000895 FET DRIVER
R6002 150
R6003 150
C6034 25V 4.7u
C6005 25V 4.7u
D6041 B0ECHP000003
C6035 25V 4.7u
R6031 10k
R6059 100
R6060 100
L6027
L6026
L6025
L6024
D6024 B0HBSN000008
D6029 B0HBSN000008
L6037
L6036
L6035
L6034
D6020 B0HBSN000008
C6060 630V 470p
C6061 630V
D6021 B0ECHP000003
D6023 B0ECHP000003
D6022 B0HBSN000008
175V
L6011 0.6u
L6012 0.6u
L6013 0.6u
L6014 1u
L6015 1u
L6016 1u
42INCH ONLY
37INCH ONLY
R6049 5.6
R6050 5.6
C6037 250V 0.22u
Q6024 42INCH: B1DEKM000001 37INCH: 2SK3996000VP
37INCH ONLY
L6017 J0JJC0000021
R6056 100k
R6055 100
D6036 MA2J11100L
D6035 MAZ80330LL
Q6001 B1JADN000001
C6011 630V 3900p
R6011 15
R6012 15
Q6002 B1JADN000001
C6012 630V 5600p
R6013 15
R6014 15
Q6003 B1JADN000001
R6015 15
R6016 15
D6001 B0HBSN000008
D6015 B0ECHP000003
L6018 J0JJC0000021
Q6011 2SD21850RL
Q6012 2SB1073001TV
IC6001 C0ZBZ0000895 FET DRIVER
R6004 150
R6005 150
R6024 10
R6030 10k
R6023 10k
C6031 25V 4.7u
C6043 25V 4.7u
R6027 100
R6028 100
C6032 25V 4.7u
R6026 10
Q6006 B1JADN000001
C6015 630V 5600p
R6019 15
R6021 15
Q6013 2SD21850RL
R6025 10k
Q6007 B1JADN000001
C6016 630V 3900p
R6020 15
R6022 15
Q6008 B1JADN000001
R6034 15
R6035 15
R6029 10k
Q6014 2SB1073001TV
D6002 B0HBSN000008
TO PANEL SUSTAIN ELECTRODE 42INCH ONLY
TO PANEL SUSTAIN ELECTRODE 37INCH ONLY
SS41
SS41A
SS42
SS42A
SS43
SS43A
SS44
SS44A
TERM
IC6003 C0ZBZ0000895 FET DRIVER
R6006 100
R6007 100
C6058 25V 1u
D6054 B0ECHP000003
C6044 25V 4.7u
L6022 J0JJC0000021
R6008 100k
R6009 100k
D6057 B0ECHP000003
R6082 100
C6049 25V 4.7u
R6083 100
R6078 0.22
R6077 0.22
R6062 220k
R6063 220k
D6052 B0JCME000037
Q6041 B1DFKM000002
R6079 100
L6042
R6080 100
L6043
Q6042 B1DFKM000002
D6053 B0JCME000037
TO C2-BOARD (C23)
SS23
5V
GND
NUEL
UEH
USL
USH
UML
UMH
DRY_SOS9
GND
NC
Vda 75V
TP13
TP14
TP17
TP18
TP19
TP20
TP21
TP22
TP23
R6102 EXB38V470JV
R6105 EXB38V472JV
C6056 10V 100u
C6051 16V 1u
C6009 50V 0.01u
C6008 160V 100u
IC6006 C0JBAZ000005 BUFFER
1G-
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
VCC
2G-
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
R6089 1k
Q6025 2SK062000L
L6019 G0ZZ00002183
R6101 47
R6107 47
R6104 4.7k
R6110 4.7k
TP15
TP16
R6090 180
R6091 1k
Q6055 2SD0601A0L
TP32
D6070 MA2J11100L
D6060 MA2J11100L
D6061 MAZ81000ML
42INCH ONLY
Q6056 2SD0601A0L
R6124 10k
R6125 2.2k
D6064 MA2J11100L
IC6005 C0BBBA000043
SOS DET
R6123 1.5k
R6126 1.5k
C6050 16V 1u
D6063 MAZ80510LL
R6121 10k
D6066 MAZ83300ML
D6067 MAZ83300ML
D6065 LNJ301MPUJA (GREEN LED)
R6118 39k
R6119 39k
R6120 7.5k
R6088 10k
C6057 25V 4.7u
R6087 100
IC6004 C0ZBZ0000735 FET DRIVER
Vcc
In
Gnd
Lo
Vb
Ho
Vs
NC
D6055 B0JCME000037
R6092 150
C6048 25V 220u
C6046 25V 4.7u
R6085 47
Q6045 2SK3268OOL
C6047 200V 150u
R6084 220k
R6086 47
Q6046 2SK373100L
D6051 B0ECHP000003
L6050 G0ZZ00002183
Q6051 2SD1263AP0LB
R6057 47
D6058 MA2J11100L
R6069 49.9k
R6070 48.7k
R6074 48.7k
R6068 12k
R6067 4.7k
Q6052 2SC1473AEA
R6061 1k
D6059 MA2J11100L
D6062 MA2J11100L
R6081 2.2k
VR6074 10k
R6073 2.55k
R6076 0
REF
ANODE
CATHODE
IC6011 C0DBEMB00002
VE GEN.
TP25
TP24
TP26
TP27
TP28
TP29
TP30
TP31
42INCH ONLY
ZA6001 K4CD01000013
ZA6002 K4CD01000013
ZA6003 K4CD01000013
ZA6004 K4CD01000013

TH-37/42PWD8 SERIES
SS-Board Schematic Diagram

TH-37/42PWD8 SERIES
SS-Board Schematic Diagram

⚠ SU-BOARD TNPA3232



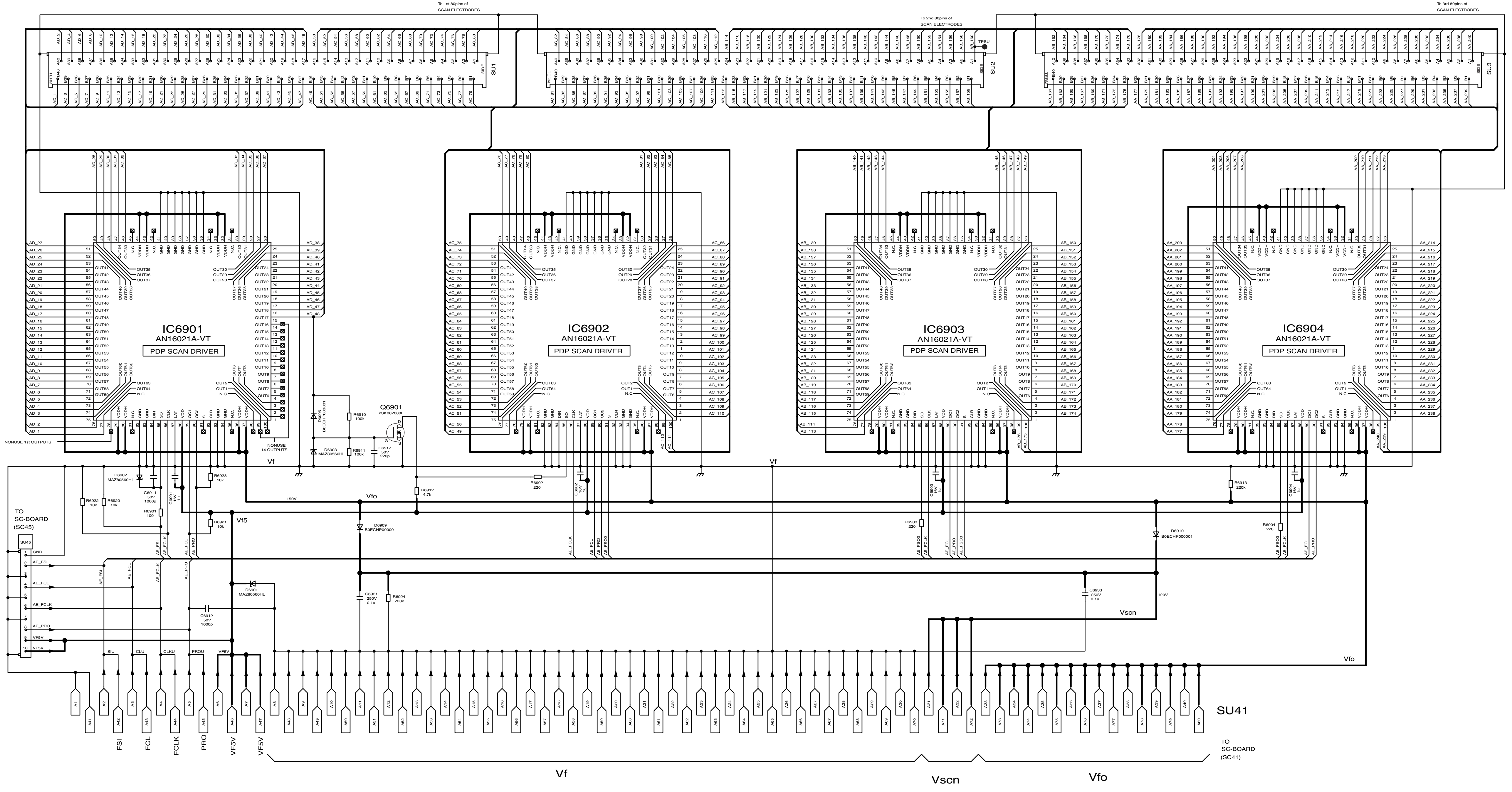
UP
To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES
SU1
SU2
SU3
TPSU1
IC6901
AN16021A-VT
PDP SCAN DRIVER
IC6902
AN16021A-VT
PDP SCAN DRIVER
IC6903
AN16021A-VT
PDP SCAN DRIVER
IC6904
AN16021A-VT
PDP SCAN DRIVER
NONUSE 1st OUTPUTS
NONUSE 14 OUTPUTS
Q6901
2SK062000L
D6905 B0ECHP000003
R6910 100k
D6903 MAZ80560HL
R6911 100k
C6917 50V 220p
R6912 4.7k
R6902 220
C6902 16V 1u
C6903 16V 1u
C6904 16V 1u
R6913 220k
D6909 B0ECHP000003
D6910 B0ECHP000003
C6931 250V 0.1u
R6924 220k
C6933 250V 0.1u
D6901 MAZ80560HL
C6912 50V 1000p
Vf
Vfo
Vf5
130V
AE_FSI
AE_FCLK
AE_FCL
AE_PRO
AE_FSO2
AE_FSO3
TO SC-BOARD (SC45)
SU45
GND
VF5V
Vscn
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
FSI
FCL
FCLK
PRO
VF5V
VF5V
Vf
Vscn
Vfo
SU41
TO SC-BOARD (SC41)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

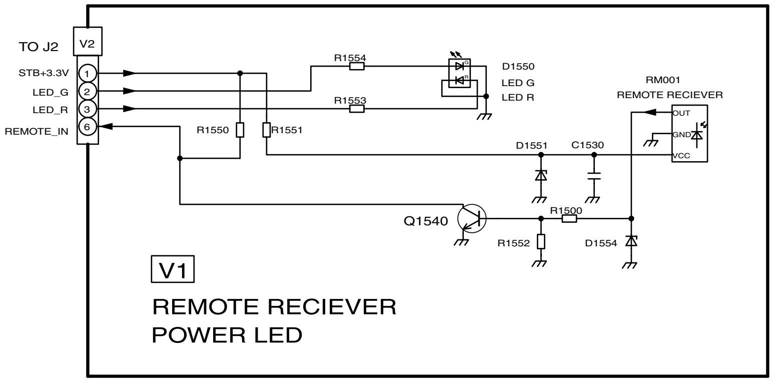
TH-37/42PWD8 SERIES
SU-Board Schematic Diagram

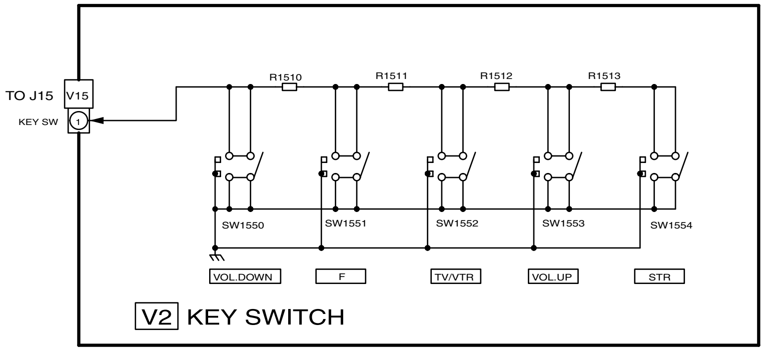
TH-37/42PWD8 SERIES
SU-Board Schematic Diagram

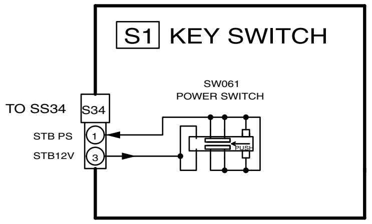
SU-BOARD TNPA3242

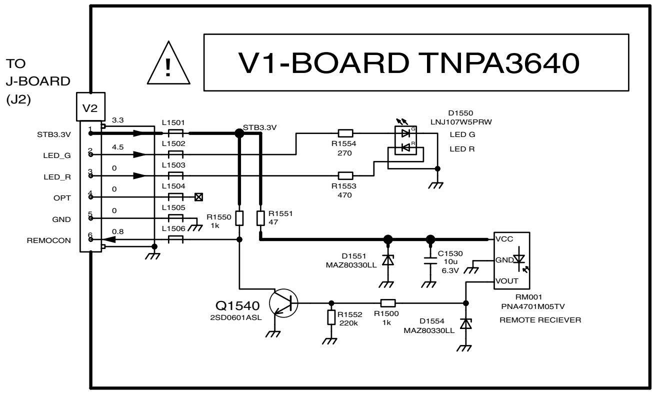
UP

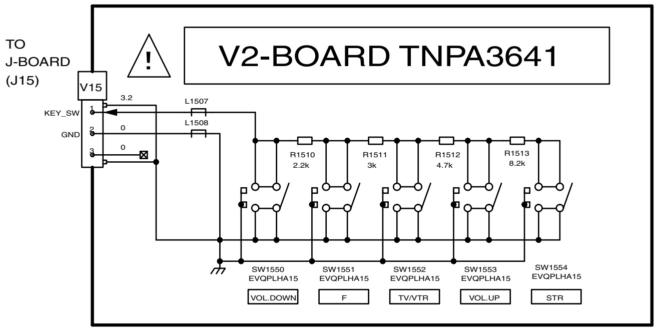

To 1st 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 3rd 80pins of SCAN ELECTRODES
SU1
SU2
SU3
TPSU1
IC6901
AN16021A-VT
PDP SCAN DRIVER
IC6902
AN16021A-VT
PDP SCAN DRIVER
IC6903
AN16021A-VT
PDP SCAN DRIVER
IC6904
AN16021A-VT
PDP SCAN DRIVER
NONUSE 1st OUTPUTS
NONUSE 14 OUTPUTS
Q6901
2SK662000L
D6905 B0ECHP000001
D6903 MAZ80560HL
R6910 100k
R6911 100k
C6917 50V 220p
R6912 4.7k
R6902 220
R6903 220
R6904 220
R6913 220k
D6902 MAZ80560HL
C6911 50V 1000p
R6923 10k
R6922 10k
R6920 10k
R6901 100
C6901 16V 1u
R6921 10k
D6909 B0ECHP000001
D6910 B0ECHP000001
D6901 MAZ80560HL
C6912 50V 1000p
C6931 250V 0.1u
R6924 220k
C6933 250V 0.1u
TO SC-BOARD (SC45)
SU45
GND
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
VF5V
Vf
Vfo
Vf5
150V
120V
Vscn
SIU
CLU
CLKU
PROU
VF5V
FSI
FCL
FCLK
PRO
VF5V
VF5V
SU41
TO SC-BOARD (SC41)
Vf
Vscn
Vfo
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

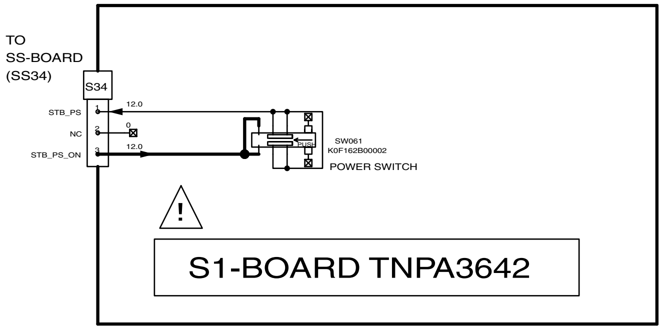

TO J2
V2
STB+3.3V
LED_G
LED_R
REMOTE_IN
R1554
R1553
D1550
LED G
LED R
RM001
REMOTE RECIEVER
OUT
GND
VCC
R1550
R1551
D1551
C1530
Q1540
R1500
R1552
D1554
V1
REMOTE RECIEVER
POWER LED


TO J15
V15
KEY SW
R1510
R1511
R1512
R1513
SW1550
SW1551
SW1552
SW1553
SW1554
VOL.DOWN
F
TV/VTR
VOL.UP
STR
V2
KEY SWITCH


S1
KEY SWITCH
SW061
POWER SWITCH
TO SS34
S34
STB PS
STB12V


V1-BOARD TNPA3640
TO
J-BOARD
(J2)
V2
STB3.3V
LED_G
LED_R
OPT
GND
REMOCON
3.3
4.5
0
0
0
0.8
L1501
L1502
L1503
L1504
L1505
L1506
STB3.3V
R1554
270
R1553
470
D1550
LNJ107W5PRW
LED G
LED R
R1550
1k
R1551
47
D1551
MAZ80330LL
C1530
10u
6.3V
VCC
GND
VOUT
RM001
PNA4701M05TV
REMOTE RECIEVER
Q1540
2SD0601ASL
R1552
220k
R1500
1k
D1554
MAZ80330LL


V2-BOARD TNPA3641
TO
J-BOARD
(J15)
V15
KEY_SW
GND
3.2
0
0
L1507
L1508
R1510
2.2k
R1511
3k
R1512
4.7k
R1513
8.2k
SW1550
EVQPLHA15
SW1551
EVQPLHA15
SW1552
EVQPLHA15
SW1553
EVQPLHA15
SW1554
EVQPLHA15
VOL.DOWN
F
TV/VTR
VOL.UP
STR


TO
SS-BOARD
(SS34)
S34
STB_PS
NC
STB_PS_ON
12.0
0
12.0
PUSH
SW061
K0F162B00002
POWER SWITCH
S1-BOARD TNPA3642